APPENDIX O – LETTER REQUEST FOR REDUCTION OF ENDPOINT SAMPLING FREQUENCY

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104 West 29th Street
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June 2, 2023
GZA File No.: 41.0163097.00

Wendi Zheng
Project Manager
Division of Environmental Remediation - Region 2
New York State Department of Environmental Conservation
1 Hunter's Point Plaza,
47-40 21st Street,
Long Island City, NY 11101--5401

Re: Proposed Interim Remedial Measure Documentation Sampling
101 East 150th Street
Bronx, New York 10451
Block 2354 Lot 1
BCP Site No. C203154

Dear Ms. Zheng:

On behalf of the 586 River Ave., LLC (BCP Applicant/Owner), Goldberg-Zoino Associates of New York P.C. d/b/a GZA GeoEnvironmental of New York (GZA) requests an alternate endpoint documentation sampling frequency during the Interim Remedial Measure (IRM) performed at the above-referenced property (Site). GZA will be performing this endpoint sampling to evaluate the performance of the remedy with respect to the attainment of Restricted Residential Soil Cleanup Objectives (SCOs) (Track 4) during the Owner's participation in the NYSDEC Brownfield Cleanup Program (BCP).

PROPOSED IRM DOCUMENTATION SAMPLING

The approximately 2.3-acre Site is comprised of one parcel identified as Block 2354, Lot 1. As documented in the BCP Remedial Investigation Report (RIR), dated November 2022, GZA performed soil sampling. A Site Plan showing the RIR sample locations is included on **Drawing 1**.

A total of 80 soil samples were collected for laboratory analysis, including four duplicate soil samples across the entire Site. Typically, the soil borings in the parking lot were sampled at three intervals each: one sample from the shallow layer (between 0 and 3 feet below ground surface [bgs]), one sample from the middle-section of the boring (dependent on field conditions), and one at the water table. We note that the sampling depths varied as the depths of ground surface elevations and the groundwater depth change between borings. As shown on **Drawing 2**, the remedial investigation identified five soil boring locations (i.e., SB-03, SB-SB-05, SB-06, SB-19, and SB-20) where chlorinated volatile organic compound (VOC) concentrations were observed in samples collected from the middle sampling interval (i.e., deeper than two feet bgs) that exceed Protection of Groundwater SCOs.

The IRM remedial excavation will be performed at proposed limits of excavation (i.e., from the northern redevelopment boundary to a 40-foot buffer north of the existing Site building)

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shown as the hatched area on **Drawing 3**. The IRM is anticipated to start prior to the demolition of the existing building.

GZA's proposed endpoint sample locations for the IRM are presented on **Drawing 4**. Pursuant to your approval per *DER-10 Technical Guidance for Site Investigation and Remediation* (DER-10) Section 1.6c, confirmatory endpoint samples will be collected at a frequency of one sample per 2,500 square feet of excavation bottom in the 2-foot deep, IRM excavation area. This sampling frequency is adequate due to the results of the remedial investigation soil sampling and the large remedial excavation area. Sidewall confirmatory sampling will not be required around the general remedial excavation perimeter due to the excavation extending to the BCP Site Boundary.

In addition, two areas of supplemental remedial excavation (down to between 5 feet bgs and 7 feet bgs), where chlorinated VOCs were identified above the Protection of Groundwater SCOs, will be excavated during the IRM. In these areas, shown in blue hatching on **Drawing 4**, GZA proposes to collect endpoint documentation samples at the bottom of the excavation at a frequency of one sample per every 900 square feet. In addition, GZA will collect one sidewall sample a frequency of every 30 linear feet of sidewall (with a minimum of one sample per sidewall).

All endpoint samples will be analyzed for the full suite of NYSDEC Part 375 parameters, and emerging contaminants of concern.

Should you have any questions or comments, please contact Stephen Kline at 212-594-8140, or stephen.kline@gza.com.

Very truly yours,

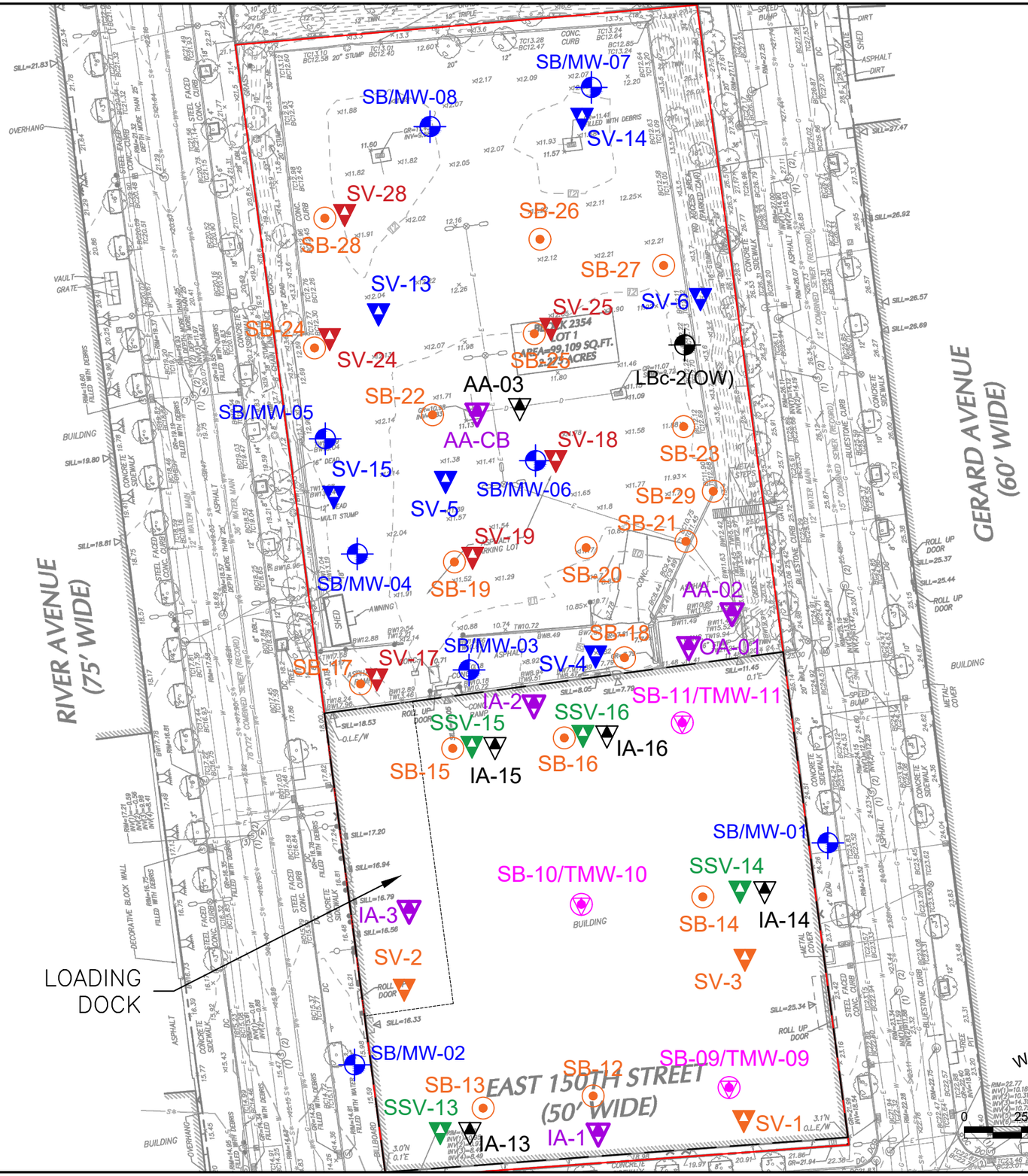
GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill P. Maniquez, CHMM
Senior Project Manager

Stephen M. Kline, P.E
Associate Principal

DRAWINGS
Drawing 1: Site Plan – Remedial Investigation Sample Locations
Drawing 2: Remedial Investigation Soil Sample VOC Exceedance Map
Drawing 3: IRM Remedial Excavation Locations
Drawing 4: Remedial Endpoint Sample Locations

DRAWINGS



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"–30', DATED 06–20–2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF SITE FEATURES AND EXPLORATION LOCATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- SB-# — APPROXIMATE SOIL BORING SAMPLE LOCATION
- SB/MW-# — APPROXIMATE SOIL BORING/PERMANENT MONITORING WELL LOCATION
- SB-XX/TMW-XX — APPROXIMATE SOIL BORING/TEMPORARY MONITORING WELL LOCATION
- LBc-2 (OW) — APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED MONITORING WELL
- SV-# — APPROXIMATE SOIL VAPOR SAMPLE LOCATION
- SSV-# — APPROXIMATE SUB–SLAB SOIL VAPOR SAMPLE LOCATION
- SV-# — APPROXIMATE SOIL VAPOR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI
- SV-# — APPROXIMATE SUB–SLAB SOIL VAPOR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI
- AA/IA-# — APPROXIMATE INDOOR/AMBIENT AIR SAMPLE LOCATION
- AA/IA/OA-# — APPROXIMATE INDOOR/AMBIENT AIR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI

NO.	ISSUE/DESCRIPTION	BY	DATE

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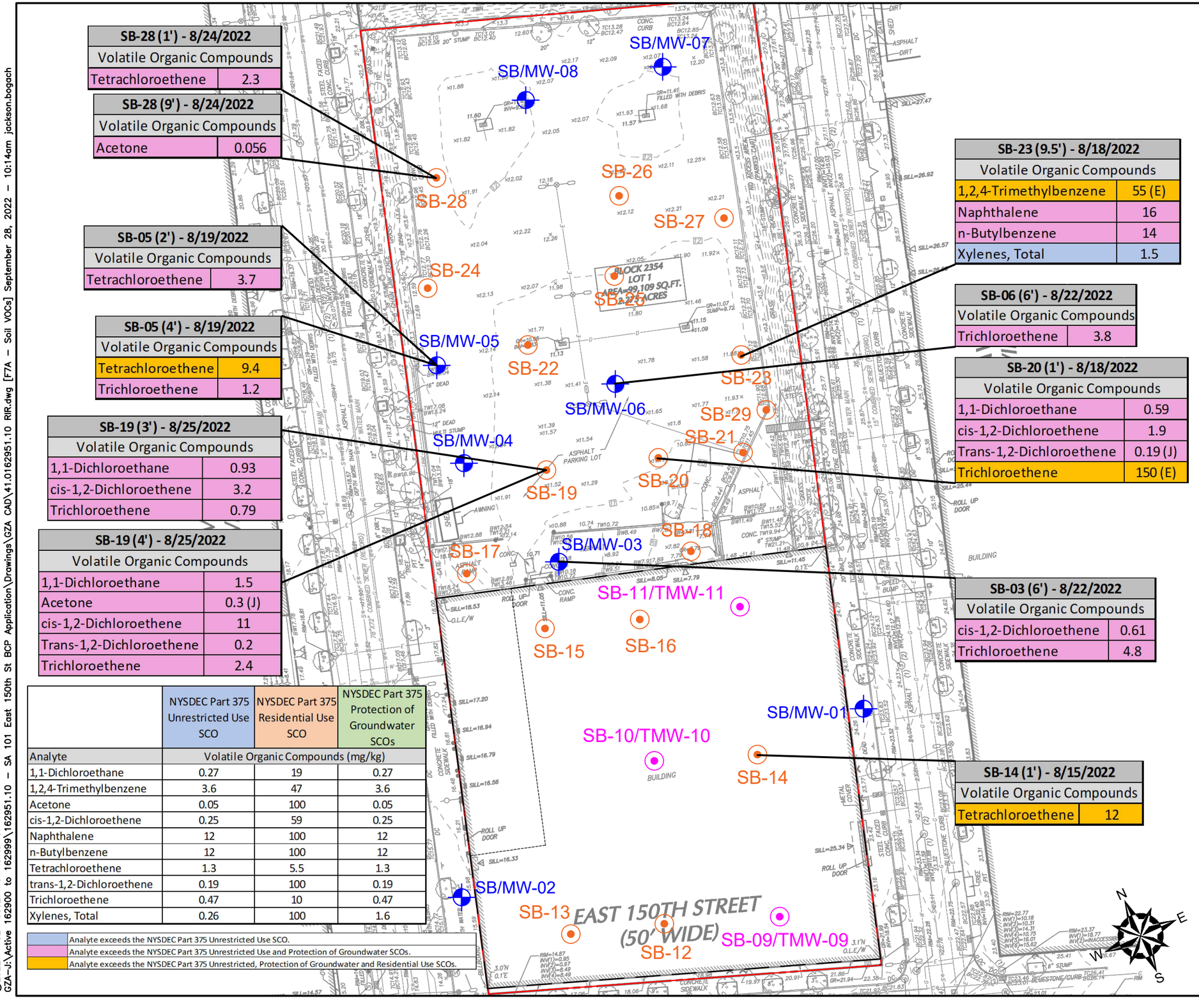
101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SITE PLAN - RI SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	DRAWING 1
DESIGNED BY: RM	DRAWN BY: JB	SCALE: 1"=50'	SHEET NO.
DATE: MAY 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2022 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 RIR.dwg [FIG 2 – 17x11] September 27, 2022 – 3:48pm jackson.bogach



SB-28 (1') - 8/24/2022	
Volatile Organic Compounds	
Tetrachloroethene	2.3

SB-28 (9') - 8/24/2022	
Volatile Organic Compounds	
Acetone	0.056

SB-05 (2') - 8/19/2022	
Volatile Organic Compounds	
Tetrachloroethene	3.7

SB-05 (4') - 8/19/2022	
Volatile Organic Compounds	
Tetrachloroethene	9.4
Trichloroethene	1.2

SB-19 (3') - 8/25/2022	
Volatile Organic Compounds	
1,1-Dichloroethane	0.93
cis-1,2-Dichloroethene	3.2
Trichloroethene	0.79

SB-19 (4') - 8/25/2022	
Volatile Organic Compounds	
1,1-Dichloroethane	1.5
Acetone	0.3 (J)
cis-1,2-Dichloroethene	11
Trans-1,2-Dichloroethene	0.2
Trichloroethene	2.4

SB-23 (9.5') - 8/18/2022	
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	55 (E)
Naphthalene	16
n-Butylbenzene	14
Xylenes, Total	1.5

SB-06 (6') - 8/22/2022	
Volatile Organic Compounds	
Trichloroethene	3.8

SB-20 (1') - 8/18/2022	
Volatile Organic Compounds	
1,1-Dichloroethane	0.59
cis-1,2-Dichloroethene	1.9
Trans-1,2-Dichloroethene	0.19 (J)
Trichloroethene	150 (E)

SB-03 (6') - 8/22/2022	
Volatile Organic Compounds	
cis-1,2-Dichloroethene	0.61
Trichloroethene	4.8

SB-14 (1') - 8/15/2022	
Volatile Organic Compounds	
Tetrachloroethene	12

	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Residential Use SCO	NYSDEC Part 375 Protection of Groundwater SCOs
Analyte	Volatile Organic Compounds (mg/kg)		
1,1-Dichloroethane	0.27	19	0.27
1,2,4-Trimethylbenzene	3.6	47	3.6
Acetone	0.05	100	0.05
cis-1,2-Dichloroethene	0.25	59	0.25
Naphthalene	12	100	12
n-Butylbenzene	12	100	12
Tetrachloroethene	1.3	5.5	1.3
trans-1,2-Dichloroethene	0.19	100	0.19
Trichloroethene	0.47	10	0.47
Xylenes, Total	0.26	100	1.6

Analyte exceeds the NYSDEC Part 375 Unrestricted Use SCO.
Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.
Analyte exceeds the NYSDEC Part 375 Unrestricted, Protection of Groundwater and Residential Use SCOs.

GENERAL NOTES

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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. ALL UNITS ARE IN MILLIGRAMS PER KILOGRAM (MG/KG). SAMPLE DEPTHS ARE SHOWN NEXT TO THE SAMPLE ID. SAMPLE DEPTHS ARE THE DEPTH BELOW GROUND SURFACE. SAMPLING DATES ARE SHOWN NEXT TO THE SAMPLE ID IN MM/DD/YYYY FORMAT.
5. LAB QUALIFIERS ARE SHOWN NEXT TO THE ANALYTE CONCENTRATION, IF APPLICABLE (I.E. 150 (E)). LAB QUALIFIER DESCRIPTIONS ARE DESCRIBED IN THE LABORATORY ANALYTICAL REPORTS.

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- SB/MW-# — APPROXIMATE SOIL BORING/PERMANENT MONITORING WELL LOCATION
- SB-# — APPROXIMATE SOIL BORING SAMPLE LOCATION
- SB-XX/TMW-XX — APPROXIMATE SOIL BORING/TEMPORARY MONITORING WELL LOCATION

0 25 50 100
SCALE IN FEET

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REMEDIAL INVESTIGATION
SOIL SAMPLE VOC EXCEEDANCE MAP

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	DRAWING 2
DESIGNED BY: RM	DRAWN BY: JB	SCALE: 1"=50'	SHEET NO.
DATE: MAY 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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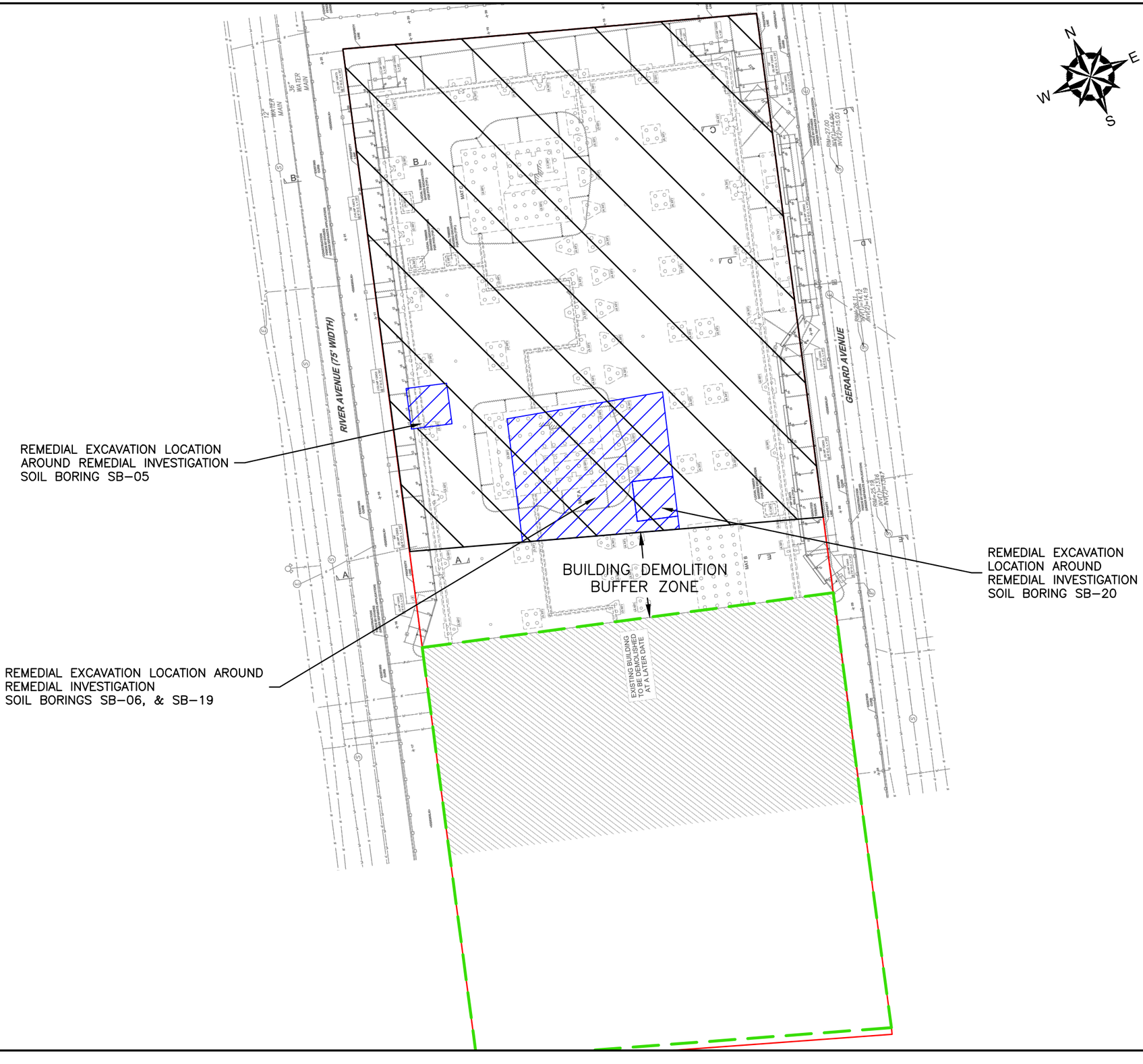
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 RIR.dwg [F7A – Soil VOCs] September 28, 2022 – 10:14am jackson.bogach



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES

0 25 50 100

SCALE IN FEET

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM REMEDIAL EXCAVATION LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 3
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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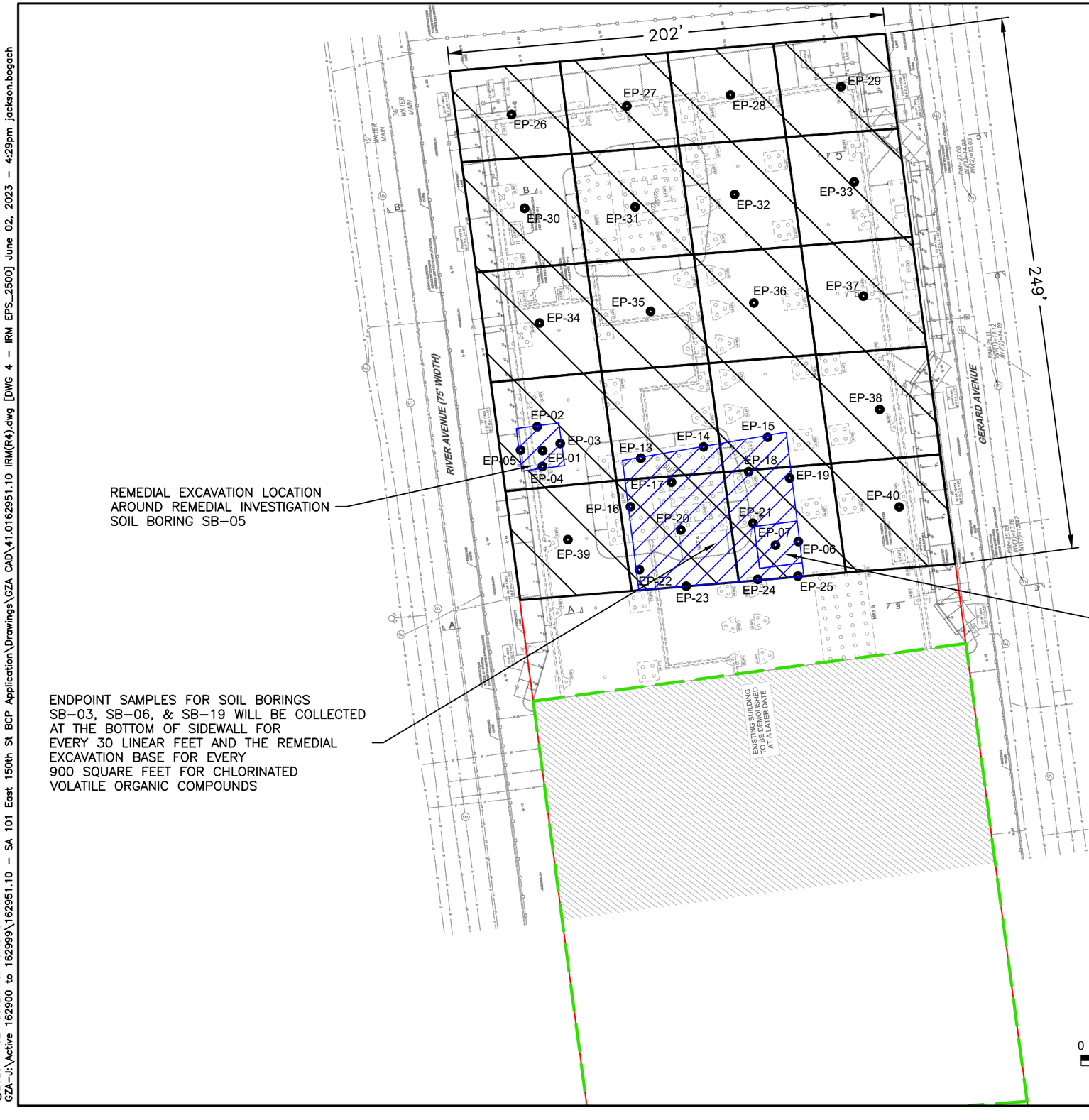
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [DWG 3 – HOTSPOT] June 02, 2023 – 4:28pm jackson.bogach



GENERAL NOTES

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2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 4
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JUNE 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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G:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4).dwg [DWG 4 - IRM EPS_2500] June 02, 2023 - 4:29pm jackson.bogach

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GZA GeoEnvironmental of New York
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F: 212.279.8180
www.gza.com

August 17, 2023
File No. 41.0163097.00

Wendi Zheng
Project Manager
Division of Environmental Remediation - Region 2
New York State Department of Environmental Conservation
1 Hunter's Point Plaza,
47-40 21st Street,
Long Island City, NY 11101--5401

Re: Proposed Reduction on PFAS Sampling and Analyses for IRM
101 East 150th Street
Bronx, New York 10451
Block 2354 Lot 1
BCP Site No. C203154

Dear Ms. Zheng:

On behalf of the 586 River Ave., LLC (BCP Applicant/Owner), Goldberg-Zoino Associates of New York P.C. d/b/a GZA GeoEnvironmental of New York (GZA) requests n reduction in Per- and Polyfluoroalkyl Substances (PFAS) sampling frequency during the Interim Remedial Measure (IRM) performed at the above-referenced property (Site). GZA will be performing this endpoint sampling to evaluate the performance of the remedy with respect to the attainment of Restricted Residential Soil Cleanup Objectives (SCOs) (Track 4) during the Owner's participation in the New York State Department of Environmental Conservation (NYSDEC)Brownfield Cleanup Program (BCP).

PREVIOUS SAMPLING

The approximately 2.3-acre Site is comprised of one parcel identified as Block 2354, Lot 1. As documented in the BCP Remedial Investigation Report (RIR), dated November 2022, GZA performed soil sampling which included the PFAS analyses. A Site Plan showing the RIR sample locations is included on **Drawing 1**.

A total of 52 soil samples were collected for PFAS laboratory analysis, including four duplicate soil samples across the entire Site. Typically, the soil borings in the parking lot were sampled at three intervals each: one sample from the shallow layer (between 0 and 3 feet below ground surface [bgs]), one sample from the middle-section of the boring (dependent on field conditions), and one at the water table. We note that the sampling depths varied as the depths of ground surface elevations and the groundwater depth change between borings. None of the samples showed exceedances above the PFAS Residential guidance values. As shown on **Drawing 2**, the remedial investigation identified nine soil samples that reported PFAS concentrations that exceed Unrestricted and Protection of Groundwater Soil Cleanup Objectives (SCOs).

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PROPOSED ENDPOINT SAMPLING

The IRM remedial excavation will be performed at proposed limits of excavation (i.e., from the northern redevelopment boundary to a 40-foot buffer north of the existing Site building) shown as the hatched area on **Drawing 3**. The IRM is anticipated to start prior to the demolition of the existing building.

As stated in *NYSDEC's Sampling, Analysis, and Assessment of Per-and Polyfluoroalkyl Substances (PFAS) Under NYSDEC's Part 375 Remedial Programs April 2023,* "as part of a site investigation or remedial action compliance program, whenever samples of potentially affected media are collected and analyzed for the standard Target Analyte List/Target Compound List (TAL/TCL), PFAS analysis should also be performed."

GZA's proposed endpoint sample locations for the IRM are presented on **Drawing 3**. Confirmatory endpoint samples will be collected at a frequency of one sample per 2,500 square feet of excavation bottom in the 2-foot deep IRM excavation area. Since all the PFAS analytical results during the Remedial Investigation were below the NYSDEC PFAS Residential Guidance Values, we propose to sample only locations that had detections of PFAS above Unrestricted and Protection of Groundwater Guidelines (i.e., RI Samples SB-03, SB-18, SB-24, SB-27, and SB-29). As shown on **Drawing 3**, GZA proposes to collect and analyze six PFAS samples at the following endpoint sample locations: EP-01, EP-17, EP-21, EP-34, EP-37, and EP-39. These locations roughly correspond to the previous RI PFAS areas sampled within the IRM work area where PFAS results were detected. The samples will be analyzed for the PFAS Analyte List by EPA method 1633 in accordance with the Quality Assurance Project Plan (QAPP), dated May 18, 2023. Additional endpoint sampling beneath the existing building footprint is anticipated to be performed after the IRM during the Remedial Action phase of the project.

Should you have any questions or comments, please contact Stephen Kline at 212-594-8140, or stephen.kline@gza.com.

Very truly yours,

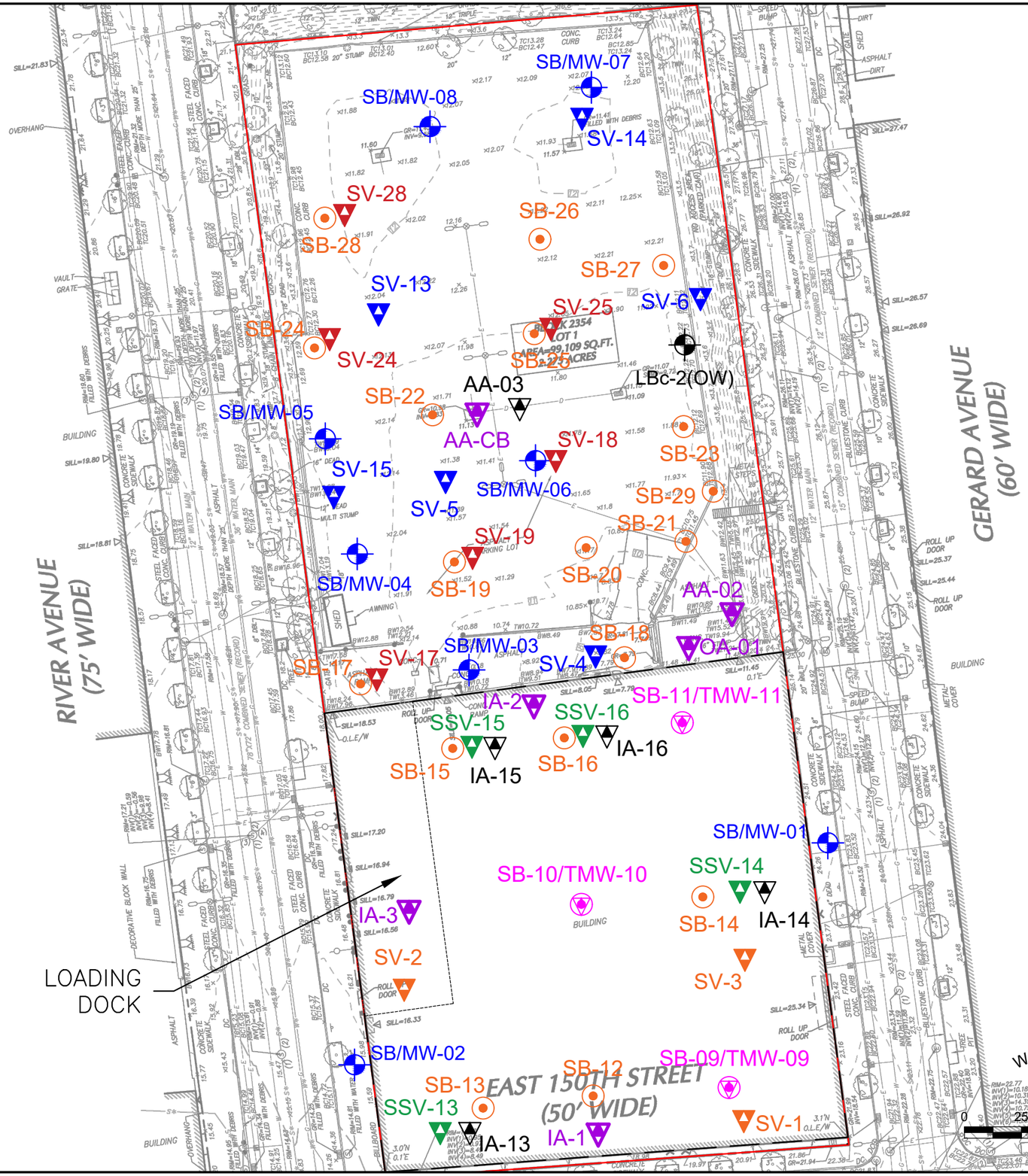
GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill P. Maniquez, CHMM
Senior Project Manager

Stephen M. Kline, P.E
Principal

DRAWINGS
Drawing 1: Site Plan – Remedial Investigation Sample Locations
Drawing 2: Remedial Investigation Soil Sample PFAS Exceedance Map
Drawing 3: IRM Remedial Excavation and Proposed PFAS Endpoint Sample Locations

DRAWINGS



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"=30', DATED 06-20-2020.
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3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- SB-# — APPROXIMATE SOIL BORING SAMPLE LOCATION
- SB/MW-# — APPROXIMATE SOIL BORING/PERMANENT MONITORING WELL LOCATION
- SB-XX/TMW-XX — APPROXIMATE SOIL BORING/TEMPORARY MONITORING WELL LOCATION
- LBc-2 (OW) — APPROXIMATE LOCATION OF PREVIOUSLY INSTALLED MONITORING WELL
- SV-# — APPROXIMATE SOIL VAPOR SAMPLE LOCATION
- SSV-# — APPROXIMATE SUB-SLAB SOIL VAPOR SAMPLE LOCATION
- SV-# — APPROXIMATE SOIL VAPOR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI
- SV-# — APPROXIMATE SUB-SLAB SOIL VAPOR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI
- AA/IA-# — APPROXIMATE INDOOR/AMBIENT AIR SAMPLE LOCATION
- AA/IA/OA-# — APPROXIMATE INDOOR/AMBIENT AIR SAMPLE LOCATION – COLLECTED DURING 2021 PHASE II ESI

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SITE PLAN - RI SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	DRAWING 1
DESIGNED BY: RM	DRAWN BY: JB	SCALE: 1"=50'	SHEET NO.
DATE: JULY 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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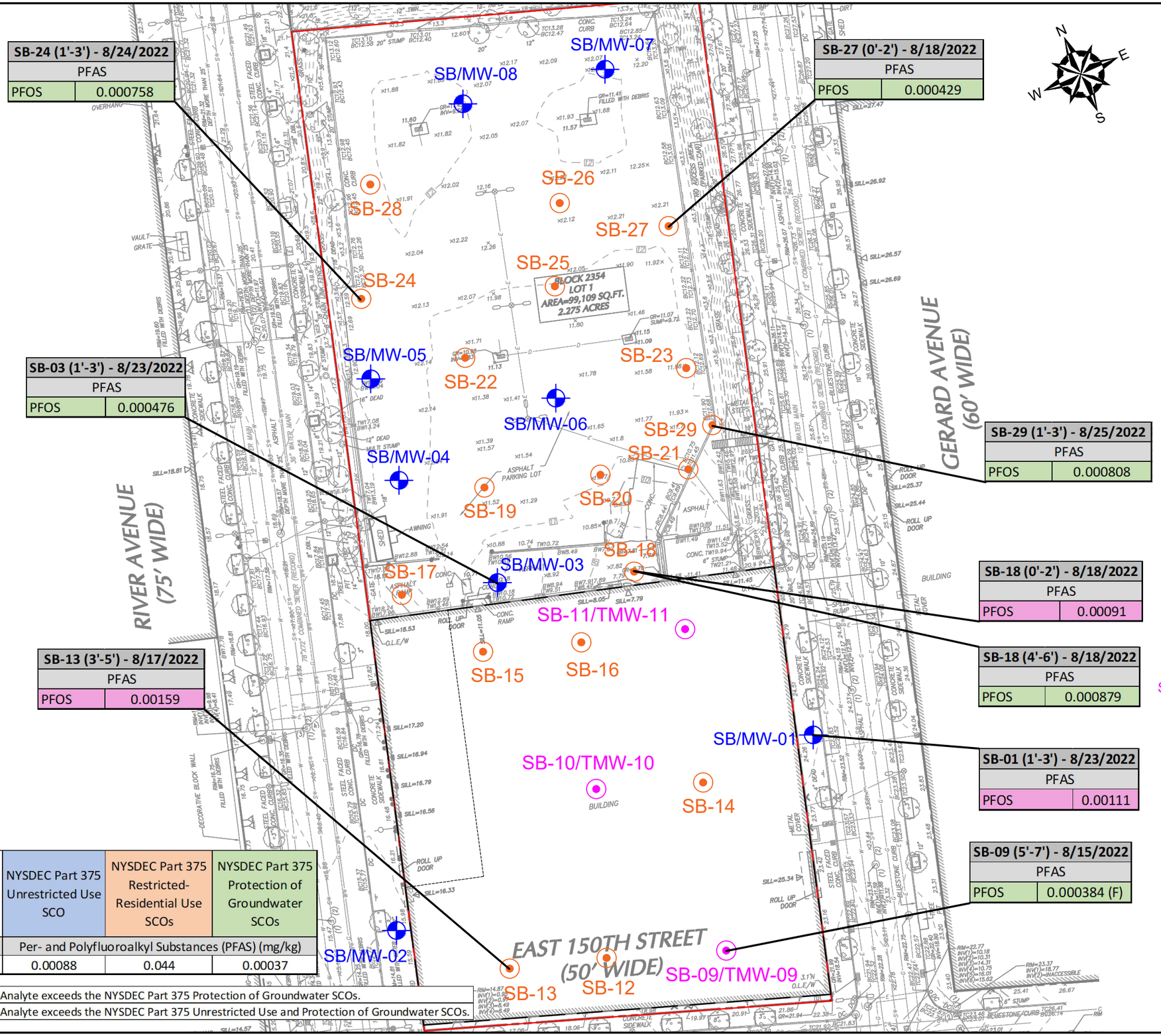
GZA-J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 RIR.dwg [FIG 2 – 17x11] September 27, 2022 – 3:48pm jackson.bogach



	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted-Residential Use SCOs	NYSDEC Part 375 Protection of Groundwater SCOs
Analyte	Per- and Polyfluoroalkyl Substances (PFAS) (mg/kg)		
PFOS	0.00088	0.044	0.00037

Analyte exceeds the NYSDEC Part 375 Protection of Groundwater SCOs.

Analyte exceeds the NYSDEC Part 375 Unrestricted Use and Protection of Groundwater SCOs.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "TOPOGRAPHIC BOUNDARY AND UTILITY SURVEY – SOUTH BRONX DEVELOPMENT", PREPARED BY "LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C", ORIGINAL SCALE 1"–30', DATED 06–20–2020.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXPLORATION LOCATIONS IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
4. ALL UNITS ARE IN MILLIGRAMS PER KILOGRAM (MG/KG). SAMPLE DEPTHS ARE SHOWN NEXT TO THE SAMPLE ID. SAMPLE DEPTHS ARE THE DEPTH BELOW GROUND SURFACE. SAMPLING DATES ARE SHOWN NEXT TO THE SAMPLE ID IN MM/DD/YYYY FORMAT.
5. LAB QUALIFIERS ARE SHOWN NEXT TO THE ANALYTE CONCENTRATION, IF APPLICABLE (I.E. 0.000384 (F)). LAB QUALIFIER DESCRIPTIONS ARE DESCRIBED IN THE LABORATORY ANALYTICAL REPORTS.

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- SB/MW-# — APPROXIMATE SOIL BORING/PERMANENT MONITORING WELL LOCATION
- SB-# — APPROXIMATE SOIL BORING SAMPLE LOCATION
- SB-XX/TMW-# — APPROXIMATE SOIL BORING/TEMPORARY MONITORING WELL LOCATION

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REMEDIAL INVESTIGATION
SOIL SAMPLE
PFAS EXCEEDANCE MAP

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists, www.gza.com
PREPARED FOR: 586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 2
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: JULY 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

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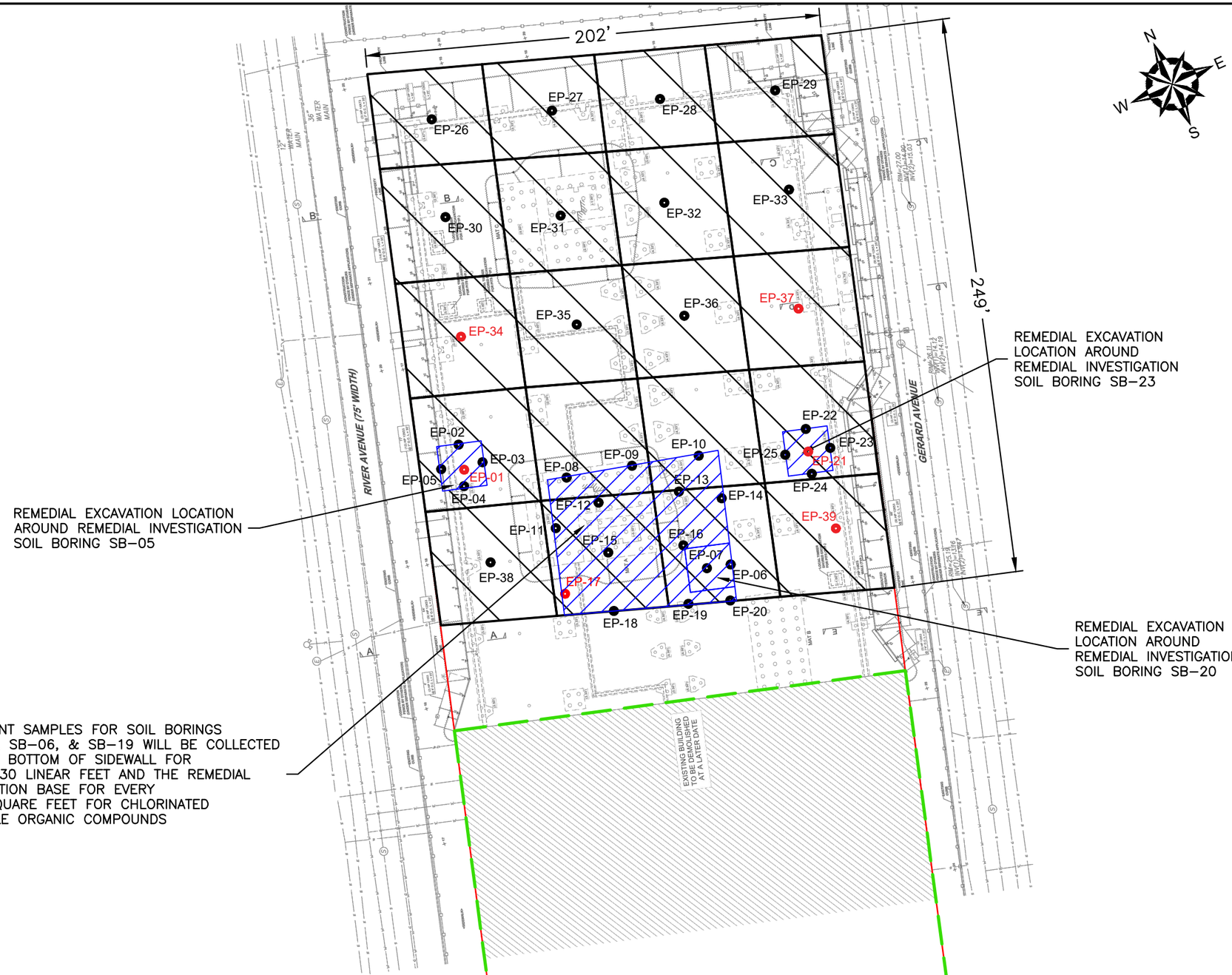
G:\ZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 RIR(2).dwg [DWG2 – PFAS Exceedances] July 28, 2023 – 4:21pm jackson.bogach



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'-0", DATED 04-20-2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM REMEDIAL EXCAVATION AND PROPOSED PFAS ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 3
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: AUGUST 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA-J:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4_PFAS).dwg [DWG 3 - PFAS] August 16, 2023 - 1:15pm Nolan.Quinn

APPENDIX P – DATA USABILITY SUMMARY REPORTS

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2443211
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – July 31, 2024

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

Christine A. Camardella, P.G., PMP
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Levittown, New York 11756
chriscamardella@hotmail.com
516-946-1121

April 11, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: July 31, 2024
Alpha Project (SDG) No. L2443211
Sample Identification:

CLIENT SAMPLE ID	LAB ID	MATRIX	VOCs 8260D	SVOCs 8270E	TAL METALS 6010D	Total Cyanide	Mercury	Pesticides	PCBs	Herbicides
MW-02	L2443211-01	WATER	X	X	X	X	X	X	X	X
MW-17	L2443211-02	WATER	X	X	X	X	X	X	X	X
FB 2024-07-31	L2443211-03	WATER	X	X	X	X	X	X	X	X
TB 2024-07-31	L2443211-04	WATER	X	X	X	X	X	X	X	X

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Work Order Narrative can be found on page 13. The Work Order has been reviewed and checked for accuracy.
- Alpha Qualifier Definitions can be found on page 16 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 24 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-02, MW-17, FB 2024-07-31, TB 2024-07-31, WG1955288-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound.
    e. Reviewed Manual Integration Report – Peaks reviewed.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-02, MW-17
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
        ii. NJ – Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
    c. Samples FB 2024-07-31, TB 2024-07-31, WG1955288-5BLANK – No Tentatively Identified Compounds.
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound.
    f. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. **Form 2 – Surrogate Recovery Summary**
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

7. Form 3 – Laboratory Control Sample Summary

a. LCS Sample ID: WG1955288-3
b. LCSD Sample ID: WG1955288-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. No values found outside of %R limits for the Laboratory Control Duplicate,
   iii. No values found outside of Recovery Limits.
   iv. Data is Acceptable.

8. Form 4 – Method Blank Summary

a. Lab Sample ID: WG1955288-5
   i. Data is Acceptable.

9. Form 5 – Instrument Performance Check (Tune) Summary

a. Data is Acceptable.

10. Form 6 – Initial Calibration Summary

i. *Q – Bromomethane, Iodomethane – the Quality control sample exceeds the associated acceptance criteria.
ii. *L – 1,2-Dibromo-3-
iii. Values found out of range – Bromochloromethane, trichloroethene, Bromodichloromethane, 1,4-Dioxane, 1,1,2-Trichloroethene.
iv. Reviewed Quantitation Report (QT Reviewed).
v. Reviewed Response Factor Report.
vi. Reviewed Manual Integration Report.

11. Form 7 – Calibration Verification Summary

a. Sample No: WG1955288-2
   i. Three (3) values found outside of RRF – Bromodichloromethane, 1,4-Dioxane, 1,1,2-Trichloroethane.
   ii. Two (2) values found outside of %D – 2-Hexanone and 1,2-Dibromo-3-chloropropan.
   iii. Data is Acceptable.
   iv. Reviewed Evaluate Continuing Calibration Report – values found out of range.
   v. Reviewed Quantitation Report (QT Reviewed).
   vi. Reviewed Manual Integration Report.

12. Form 8 – Internal Standard Area and Retention Time Summary

i. All samples met internal standard area and retention time criteria.
ii. No Qualifiers used.
iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-02, MW-17, FB 2024-07-31, WG1955747-1BLANK
        1. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
            2. 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.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955747-2
    b. LCSD Sample ID: WG1955747-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        a. Observations Noted.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1956158-3
        ii. Two (2) values found outside of %D.
        iii. Data is Acceptable.
    b. Sample No: WG1956158-4
        iv. Three (3) values found outside of %D.
        v. Data is Acceptable.
    c. Sample No: WG1956158-5
        vi. Two (2) values found outside of %D.
        vii. Data is Acceptable.
    d. Quantitation Report Reviewed.
    e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8 – Internal Standard Area and Retention Time Summary**
    i. All samples met internal standard area and retention time criteria.
    ii. No Qualifiers used.
    iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
    i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-02, MW-17, FB 2024-07-31, WG1955748-1BLANK
        1. Qualifiers used:
        2. U – Indicates the compound was analyzed for but not detected.
        3. J – Estimated Value.
        4. 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.
    ii. No samples were diluted.
    iii. Quantitation Reports Reviewed.
    iv. Reviewed Manual Integration Report.
    v. Reviewed LSC Area Percent Report.
    vi. Reviewed Library Search Compound Report.
    vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955748-2
    b. LCSD Sample ID: WG1955748-3
        i. Values found outside of QC limits for LCSD samples.
    c. Qualifier used:
        i. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Observations Noted.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**

a. Values found outside of range.
b. Qualifiers found outside of range.
c. Reviewed Quantitation Report.
d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1956398-3
        i. Three (3) values found outside of %D.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8 – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

Herbicides - EPA8151A

1. **Form I – Organic Analysis Data Sheet**
    a. Samples - MW-02, MW-17, FB 2024-07-31, WG1955132-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed for each sample.
        iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. No values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955132-2
    b. LCSD Sample ID: WG1955132-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 6 – Initial Calibration Summary**
    a. No values found out of range.
    b. Quantitation Report Reviewed.
    c. Reviewed Manual Integration Report.
    d. Reviewed Continuing Calibration Report.

7. **Form 7 - Calibration Verification Summary**
    a. Sample No: WG1955716-1
        i. One (1) value found outside of QC limits.
        ii. Data is Acceptable.
    b. Sample No: WG1956347-2
        i. No values found outside of QC limits.
        ii. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Reviewed Evaluate Continuing Calibration Report.
    e. Reviewed Manual Integration Report.

8. Form 8b – Analytical Sequence

a. Data is Acceptable.

9. Have all the data been generated using established and agreed upon analytical protocols?

   a. Yes, all the data has been generated using established and agreed upon analytical protocols.

10. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

11. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

12. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

PCBs EPA8082A

1. **Form 1 – Results Summary – PCBs**
    a. Samples – MW-02, MW-17, FB 2024-07-31, WG1955787-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. No values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955787-2
    b. LCSD Sample ID: WG1955787-3
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. No observations noted.
    b. Acceptable.

6. **Form 5 – Analytical Sequence**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. No values found outside of QC limits
    b. No Qualifiers used.
    c. Reviewed Quantitation Report.
    d. Reviewed Response Factor Report

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1956049-1
        i. Four (4) values found outside of QC limits.
        ii. Data is Acceptable.
    b. Sample No: WG1956390-1

i. Four (4) values found outside of QC limits.
ii. Data is Acceptable.

c. Reviewed Evaluate Continuing Calibration Report.
d. Reviewed Quantitation Report.
e. Reviewed Manual Integration Report.

9. **Form 10 – Identification Summary**
   a. No detections found.

10. Have all the data been generated using established and agreed upon analytical protocols?

    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Any exceptions noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

PESTICIDES EPA8081B

1. **Form I – Organic Analysis Data Sheet - Pesticides**
    a. Samples - MW-02, MW-17, FB 2024-07-31, WG19554912-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed for each sample.
        iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. No values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955491-2
    b. LCSD Sample ID: WG1955491-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 6 – Initial Calibration Summary**
    a. No values found out of range.
    b. Quantitation Report Reviewed.
    c. Reviewed Manual Integration Report.
    d. Reviewed Continuing Calibration Report.

7. **Form 7 - Calibration Verification Summary**
    a. Sample No: WG1955810-1
        i. Five (5) values found outside of QC limits.
        ii. Data is Acceptable.
    b. Sample No: WG1955810-2
        i. No values found outside of QC limits.
        ii. Data is Acceptable.
    c. Sample No: WG1955810-3
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

d. Sample No: WG1956268-1
    i. Three (3) values found outside of QC limits.
    ii. Data is Acceptable.
e. Sample No: WG1956268-2
    i. One (1) value found outside of QC limits.
    ii. Data is Acceptable.
f. Sample No: WG1956268-3
    i. No values found outside of QC limits.
    ii. Data is Acceptable.
g. Quantitation Report Reviewed.
h. Reviewed Evaluate Continuing Calibration Report.
i. Reviewed Manual Integration Report.

8. Form 8b – Analytical Sequence

a. Data is Acceptable.

9. Form 10 – Identification Summary

a. No Detections Found.

10. Form 15 – Performance Evaluation Mixture Summary

a. Data is Acceptable.
b. Reviewed Quantitation Report.
c. Reviewed Manual Integration Report.

11. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

12. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

13. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used.

14. Have any quality control (QC) exceedances been specifically noted in the DUSR?

a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-02, MW-17, FB 2024-07-31, WG1956224-6BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. MW-02 and MW-17 had a 10X dilution.
    c. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1954783-3
    b. Matrix Spike Dup: WG1954783-4
        i. Qualifier used:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    c. Data is Acceptable.

    d. Matrix Spike: WG1954271-3
    e. Matrix Spike Dup: WG19542713-4
        i. Qualifier used:

1. Q – The quality control sample exceeds the associated acceptance criteria.

f. Data is Acceptable.

6. Form 7 – Laboratory Control Sample

a. Laboratory Sample ID: WG1954783-2
   i. No values found outside of %R.
   ii. Data is Acceptable.
b. Laboratory Sample ID: WG1954271-2
   i. No values found outside of %R.
   ii. Data is Acceptable.

7. Form 8 – Serial Dilutions

a. Serial Dilution IDL WG1954783-6
   i. No values found outside of limits.
   ii. Data is acceptable.
b. Serial Dilution IDL WG1954271-6
   i. No values found outside of limits.
   ii. Data is acceptable.

8. Form 12 – Preparation Log

a. Data is acceptable.

9. Form 13 – Analysis Run Log

a. Data is acceptable.

10. Form14 – ICP-MS Tune

a. No values found outside of %RSD.

11. Form 15 – ICP_MS Internal Standards Relative Intensity Summary

a. Data is Acceptable.

12. Reviewed Performance Report.
13. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-02, MW-17, FB 2024-07-31, WG1954786-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
            3. B – The analyte was detected above the reporting limit in the associated method blank.
    b. MW-02 and MW-17 had a 10X dilution.
    c. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1954786-3
    b. Matrix Spike Dup: WG1954786-4
        i. Qualifier used:
            1. None.
    c. Data is Acceptable.

    d. Matrix Spike: WG1954274-3
    e. Matrix Spike Dup: WG1954274-4
        i. Qualifier used:
            1. None.
    f. Data is Acceptable.

5. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG1954786-2
        i. No values found outside of %R.

ii. Qualifier used:
    1. Q – The quality control sample exceeds the associated acceptance criteria.
iii. Data is Acceptable.

6. Form 12 – Preparation Log

a. Data is acceptable.

7. Form 13 – Analysis Run Log

a. Data is acceptable.

8. Reviewed Performance Report.
9. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-02, MW-17, FB 2024-07-31, WG1955283-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Value is Estimated.
        ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2443213
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – July 31, 2024

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

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August 28, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: July 31, 2024
Alpha Project (SDG) No. L2443213
Sample Identification:

CLIENT SAMPLE ID	DATE SAMPLED	LAB ID	MATRIX	TCL VOCs + 10 TICs	SVOCs + 20 TICs	TAL METALS (Total & Dissolved)	Total Cyanide	Mercury
MW-14	7/31/2024	L2443211	Ground Water	X	X	X	X	X

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Case Narrative can be found on page 8. The Work Order has been reviewed and checked for accuracy.
- Alpha Qualifier Definitions can be found on page 11 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 18 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-14, WG1955288-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound - qualifiers found out of range for tert-Butylbenzene and sec-Butylbenzene.
    e. Reviewed Manual Integration Report – Peaks reviewed.
    f. Reviewed LSC Area Percent Report.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-14
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
        ii. NJ – Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
    c. No Tentatively Identified Compounds.
    d. WG1955288-5BLANK - No Tentatively Identified Compounds.
    e. Data is Acceptable.
    f. Quantitation Report (QT Reviewed) for each compound –
    g. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. **Form 2 – Surrogate Recovery Summary**
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

7. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955288-3
    b. LCSD Sample ID: WG1955288-4
        i. No values found outside of %R limits for the Laboratory Control Sample
        ii. No values found outside of %R limits for the Laboratory Control Duplicate.
        iii. No values found outside of Recovery Limits.
        iv. Data is Acceptable.

8. **Form 4 – Method Blank Summary**
    a. Lab Sample ID: WG1955288-5
        i. Data is Acceptable.

9. **Form 5 – Instrument Performance Check (Tune) Summary**
    a. Data is Acceptable.

10. **Form 6 – Initial Calibration Summary**
    a. *Q – Bromomethane, Iodomethane – the Quality control sample exceeds the associated acceptance criteria.
    b. *L – 1,2-Dibromo-3-
    c. Values found out of range – Bromochloromethane, Trichloroethene, Bromodichloromethane, 1,4-Dioxane, 1,1,2-Trichloroethene.
    d. Reviewed Quantitation Report (QT Reviewed).
    e. Reviewed Response Factor Report.
    f. Reviewed Manual Integration Report.

11. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1955288-2
        i. Three (3) values found outside of %D – Methyl Acetate, tert-Butyl alcohol, 2-Hexanone.
        ii. Data is Acceptable.
        iii. Reviewed Evaluate Continuing Calibration Report – values found out of range.
        iv. Reviewed Quantitation Report (QT Reviewed).
        v. Reviewed Manual Integration Report.

12. **Form 8a – Internal Standard Area and Retention Time Summary**
        i. All samples met internal standard area and retention time criteria.
        ii. No Qualifiers used.
        iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, WG1955747-1BLANK
        1. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955747-2
    b. LCSD Sample ID: WG1955747-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Response Factor Report.

d. Reviewed Quantitation Report.
e. Reviewed Manual Integration Report.

8. Form 7 – Calibration Verification Summary

a. Sample No: WG1956158-3
   ii. Two (2) values found outside of %D.
   iii. Data is Acceptable.
b. Sample No: WG1956158-4
   iv. Two (2) values found outside of %D.
   v. Data is Acceptable.
c. Sample No: WG1956158-5
   vi. Two (2) values found outside of %D.
   vii. Data is Acceptable.
d. Quantitation Report Reviewed – qualifiers found out of range, data checked.
e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, WG1955748-1
        1. Qualifiers used:
        2. U – Indicates the compound was analyzed for but not detected.
        3. J – Estimated Value.
        4. 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.
    ii. No samples were diluted.
    iii. Quantitation Reports Reviewed.
    iv. Reviewed Manual Integration Report.
    v. Reviewed LSC Area Percent Report.
    vi. Reviewed Library Search Compound Report.
    vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955748-2
    b. LCSD Sample ID: WG1955748-3
        i. Values found outside of QC limits for LCSD samples.
    c. Qualifier used:
        i. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**

a. Values found outside of range.
b. Qualifiers found outside of range.
c. Reviewed Quantitation Report.
d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1956398-3
        i. Three (3) values found outside of %D.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-14, WG1955485-1BLANK, WG1955450-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1955485-3
    b. Matrix Spike Dup: WG1955485-4
        i. Matrix Spike Dup – values found outside of %R
        ii. Qualifiers used:
            1. J – Concentration is Estimated.
            2. Q – The quality control sample exceeds the associated acceptance criteria.
    c. Data is Acceptable.

    d. Matrix Spike: WG1955450-3
    e. Matrix Spike Dup: WG19554503-4
        i. Matrix Spike Dup – values found outside of %R

ii. Qualifiers used:
1. J – Concentration is Estimated.
2. Q – The quality control sample exceeds the associated acceptance criteria.

f. Data is Acceptable.

6. Form 7 – Laboratory Control Sample

a. Laboratory Sample ID: WG1955485-2
   i. No values found outside of %R.
   ii. Data is Acceptable.
b. Laboratory Sample ID: WG1955450-2
   i. No values found outside of %R.
   ii. Data is Acceptable.

7. Form 8 – Serial Dilutions

a. Serial Dilution IDL WG1955485-6
   i. No values found outside of limits.
   ii. Data is acceptable.
b. Serial Dilution IDL WG1955450-6
   i. No values found outside of limits.
   ii. Data is acceptable.

8. Form 12 – Preparation Log

a. Data is acceptable.

9. Form 13 – Analysis Run Log

a. Data is acceptable.

10. Form14 – ICP-MS Tune

a. No values found outside of %RSD.

11. Form 15 – ICP_MS Internal Standards Relative Intensity Summary

a. Data is Acceptable.

12. Reviewed Performance Report.
13. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-14, WG1955453-1BLANK, WG1955487-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1955453-3
    b. Matrix Spike Dup: WG1955453-4
        i. Qualifier used:
            1. None.
    c. Data is Acceptable.

    d. Matrix Spike: WG1955487-3
    e. Matrix Spike Dup: WG1955487-4
        i. Qualifier used:
            1. None.
    f. Data is Acceptable.

5. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG1955453-2
        i. No values found outside of %R.
        ii. Data is Acceptable.

6. **Form 12 – Preparation Log**

a. Data is acceptable.

7. Form 13 – Analysis Run Log

a. Data is acceptable.

8. Reviewed Performance Report.
9. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-14, WG1955283-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2443498
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – August 1, 2024

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

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516-946-1121

April 14, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: August 1, 2024
Alpha Project (SDG) No. L2443498
Sample Identification:

CLIENT SAMPLE ID	LAB ID	MATRIX	VOCs 8260D	SVOCs 8270E	TAL METALS 6010D	Total Cyanide	Mercury	Pesticides	PCBs	Herbicides
MW-18	L2443498-01	WATER	X	X	X	X	X	X	X	X
MW-15	L2443498-02	WATER	X	X	X	X	X	X	X	X
MW-16	L2443498-03	WATER	X	X	X	X	X	X	X	X
FD-01	L2443498-04	WATER	X	X	X	X	X	X	X	X
FB 2024-08-01	L2443498-05	WATER	X	X	X	X	X	X	X	X

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Work Order Narrative can be found on page 13. The Work Order has been reviewed and checked for accuracy.

- Alpha Qualifier Definitions can be found on page 16 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 24 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1955712-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound.
    e. Reviewed Manual Integration Report – Peaks reviewed.

4. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

5. **Form 2 – Surrogate Recovery Summary**
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

6. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955712-3
    b. LCSD Sample ID: WG1955712-4
        i. No values found outside of %R limits for the Laboratory Control Sample
        ii. No values found outside of %R limits for the Laboratory Control Duplicate,
        iii. No values found outside of Recovery Limits.
        iv. Data is Acceptable.
    c. LCS Sample ID: WG1955712-6
    d. LCSD Sample ID: WG1955712-7
        i. Values found outside of %R limits for the Laboratory Control Sample
        ii. Values found outside of %R limits for the Laboratory Control Duplicate,
        iii. Qualifiers used:

1. Q – The quality control sample exceeds the associated acceptance criteria.

iv. Data is Acceptable.

7. **Form 4 – Method Blank Summary**
   a. Lab Sample ID: WG1955712-5
      i. Data is Acceptable.

8. **Form 5 – Instrument Performance Check (Tune) Summary**
   a. Data is Acceptable.

9. **Form 6 – Initial Calibration Summary**
      i. Values found out of range.
      ii. Reviewed Quantitation Report (QT Reviewed).
      iii. Reviewed Response Factor Report.
      iv. Reviewed Manual Integration Report.

10. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1955712-2
       i. Thirteen (13) values found outside of RRF.
       ii. Five (5) values found outside of %D.
       iii. Data is Acceptable.
       iv. Reviewed Evaluate Continuing Calibration Report – values found out of range.
       v. Reviewed Quantitation Report (QT Reviewed).
       vi. Reviewed Manual Integration Report.

11. **Form 8 – Internal Standard Area and Retention Time Summary**
       i. All samples met internal standard area and retention time criteria.
       ii. No Qualifiers used.
       iii. Data is Acceptable.

12. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

13. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

14. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used.

15. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FD 2024-08-01, WG1956789-1BLANK
        1. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. Values found outside of QC limits for MW-16 (L2443498-03).
    b. Data is Acceptable.

4. **Form 3 – Matrix Spike Sample Summary**
    a. LCS Sample ID: WG1955789-4
    b. LCSD Sample ID: WG1955789-5
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
            ii. J – Estimated Value.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Observations Noted.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.

c. Reviewed Quantitation Report.
d. Reviewed Manual Integration Report.

8. Form 7 – Calibration Verification Summary

a. Sample No: WG1956164-3
   i. One (1) value found outside of %D.
   ii. Data is Acceptable.
b. Sample No: WG1956164-4
   i. Two (2) values found outside of %D.
   ii. Data is Acceptable.
c. Sample No: WG1956164-5
   i. Two (2) values found outside of %D.
   ii. Data is Acceptable.
d. Quantitation Report Reviewed.
e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FD 2024-08-01
        i. Qualifiers used:
        ii. U – Indicates the compound was analyzed for but not detected.
        iii. J – Estimated Value.
        iv. B – The analyte was detected above the reporting limit in the associated method blank.
    b. No samples were diluted.
    c. Quantitation Reports Reviewed.
    d. Reviewed Manual Integration Report.
    e. Reviewed LSC Area Percent Report.
    f. Reviewed Library Search Compound Report.
    g. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. One (1) value found outside of limits – MW-16 (L2443498-03).
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955790-2
    b. LCSD Sample ID: WG1955790-3
        i. No values found outside of QC limits for LCS and LCSD samples.
    c. Qualifier used:
        i. None.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.

d. Reviewed Manual Integration Report.

8. Form 7 – Calibration Verification Summary

a. Sample No: WG1957355-3
    i. Four (4) values found outside of %D.
b. Data is Acceptable.
c. Quantitation Report Reviewed.
d. Evaluate Continuing Calibration Report Reviewed.

9. Form 8 – Internal Standard Area and Retention Time Summary

a. All samples met internal standard area and retention time criteria.
b. No Qualifiers used.
c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

Herbicides - EPA8151A

1. **Form I – Organic Analysis Data Sheet**
    a. Samples - MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1955132-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed for each sample.
        iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. Values found outside of QC limits for MW-18MS and MW-18MSD.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1955132-2
    b. LCSD Sample ID: WG1955132-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 3 – Matrix Spike Sample Summary**
    a. Matrix Spike: WG1955132-4
    b. Matrix Spike Dup: WG1955132-5
        i. No values found outside of QC limits.
    c. Data is Acceptable.

6. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. No values found out of range.
    b. Quantitation Report Reviewed.
    c. Reviewed Manual Integration Report.
    d. Reviewed Continuing Calibration Report.

8. **Form 7 - Calibration Verification Summary**
    a. Sample No: WG1955716-1
        i. Channel A - One (1) value found outside of QC limits.

ii. Channel B – No value found outside of QC limits.
iii. Data is Acceptable.

b. Sample No: WG1956770-1
i. Channel A - Eight (8) values found outside of QC limits.
ii. Channel B – Two (2) values found outside of QC limits.
iii. Data is Acceptable.

c. Quantitation Report Reviewed.
d. Reviewed Evaluate Continuing Calibration Report.
e. Reviewed Manual Integration Report.

9. Form 8b – Analytical Sequence

a. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?

a. The Quality Control data has been checked; any exceedances have been noted.

PCBs EPA8082A

1. **Form 1 – Results Summary – PCBs**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1957223-1BLANK
    b. Qualifiers used:
        1. U – Indicates the compound was analyzed for but not detected.
        2. J – Value is Estimated.
    c. Data is Acceptable.
    d. Quantitation Report Reviewed.
    e. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. Values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1957223-2
    b. LCSD Sample ID: WG1957223-3
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

5. **Form 3 – Matrix Spike Sample Summary**
    a. Matrix Spike: WG1957223-4
    b. Matrix Spike Dup: WG1957223-5
        i. No values found outside of QC limits.
    c. Data is Acceptable.

6. **Form 4 – Method Blank Summary**
    a. No observations noted.
    b. Acceptable.

7. **Form 5 – Analytical Sequence**
    a. Data is Acceptable.

8. **Form 6 – Initial Calibration Summary**
    a. No values found outside of QC limits
    b. No Qualifiers used.
    c. Reviewed Quantitation Report.

d. Reviewed Response Factor Report.
e. Reviewed Manual Integration Report.

9. Form 7 – Calibration Verification Summary

a. Sample No: WG1957386-1
    i. Channel A – One (1) value found outside of QC limits.
    ii. Channel B – No values found outside of QC limits.
    iii. Data is Acceptable.
b. Sample No: WG1957692-1
    i. Channel A - Three (3) values found outside of QC limits.
    ii. Channel B - Three (3) values found outside of QC limits.
    iii. Data is Acceptable.
c. Reviewed Evaluate Continuing Calibration Report.
d. Reviewed Quantitation Report.
e. Reviewed Manual Integration Report.

10. Form 8b – Analytical Sequence

a. Data is acceptable.

11. Form 10 – Identification Summary

a. No detections found.

12. Have all the data been generated using established and agreed upon analytical protocols?

    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

13. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

14. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Any exceptions noted in the beginning of the report.

15. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

PESTICIDES EPA8081B

1. **Form I – Organic Analysis Data Sheet - Pesticides**
    a. Samples - MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1956834-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed for each sample.
        iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. No values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1956834-2
    b. LCSD Sample ID: WG1956834-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 6 – Initial Calibration Summary**
    a. No values found out of range.
    b. Quantitation Report Reviewed.
    c. Reviewed Manual Integration Report.
    d. Reviewed Continuing Calibration Report.

7. **Form 7 - Calibration Verification Summary**
    a. Sample No: WG1957109-1
        i. Channel A & B - No values found outside of QC limits.
        ii. Data is Acceptable.
    b. Sample No: WG1957109-2
        i. Channel A & B - No values found outside of QC limits.
        ii. Data is Acceptable.
    c. Sample No: WG1957109-3
        i. Channel A & B - No values found outside of QC limits.
        ii. Data is Acceptable.

d. Quantitation Report Reviewed.
e. Reviewed Evaluate Continuing Calibration Report.
f. Reviewed Manual Integration Report.

8. Form 8b – Analytical Sequence

a. Data is Acceptable.

9. Form 10 – Identification Summary

a. No Detections Found.

10. Form 15 – Performance Evaluation Mixture Summary

a. Data is Acceptable.
b. Reviewed Quantitation Report.
c. Reviewed Manual Integration Report.

11. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

12. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

13. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used.

14. Have any quality control (QC) exceedances been specifically noted in the DUSR?

a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FB 2024-08-01
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1955485-3
    b. Matrix Spike Dup: WG1955485-4
        i. Qualifier used on Matrix Spike Dup:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    c. Data is Acceptable.

    d. Matrix Spike: WG1955450-3
    e. Matrix Spike Dup: WG1955450-4
        i. Qualifier used on Matrix Spike and Matrix Spike Dup:
            1. Q – The quality control sample exceeds the associated acceptance criteria.

f. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**
   a. Laboratory Sample ID: WG1955485-2
      i. No values found outside of %R.
      ii. Data is Acceptable.
   b. Laboratory Sample ID: WG1955450-2
      i. No values found outside of %R.
      ii. Data is Acceptable.

7. **Form 8 – Serial Dilutions**
   a. Serial Dilution ID: WG1955485-6
      i. No values found outside of limits.
      ii. Data is acceptable.
   b. Serial Dilution IDL WG1955450-6
      i. No values found outside of limits.
      ii. Data is acceptable.

8. **Form 12 – Preparation Log**
   a. Data is acceptable.

9. **Form 13 – Analysis Run Log**
   a. Data is acceptable.

10. **Form14 – ICP-MS Tune**
    a. No values found outside of %RSD.

11. **Form 15 – ICP_MS Internal Standards Relative Intensity Summary**
    a. Data is Acceptable.

12. Reviewed Performance Report.
13. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1955453-1BLANK, WG1955487-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1955453-3
    b. Matrix Spike Dup: WG1955453-4
        i. No values found outside of %R.
        ii. Qualifier used:
            1. None.
    c. Data is Acceptable.

    d. Matrix Spike: WG1955487-3
    e. Matrix Spike Dup: WG1955487-4
        i. No values found outside of %R.
        ii. Qualifier used:
            1. None.
    f. Data is Acceptable.

5. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG1955453-2
    b. Laboratory Sample ID: WG1955487-2
        i. No values found outside of %R.
        ii. Qualifier used:

1. Q – The quality control sample exceeds the associated acceptance criteria.

iii. Data is Acceptable.

6. Form 12 – Preparation Log

a. Data is acceptable.

7. Form 13 – Analysis Run Log

a. Data is acceptable.

8. Reviewed Performance Report.
9. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-18, MW-15, MW-16, FD-01, FB 2024-08-01, WG1955420-1BLANK, WG1955804-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Value is Estimated.
    b. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2455026
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – September 24, 2024

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
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New York, NY 10001

PREPARED BY:

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April 20, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: September 24, 2024
Alpha Project (SDG) No. L2455026
Sample Identification:

CLIENT SAMPLE ID	LAB ID	MATRIX	VOCs 8260D	SVOCs 8270E	TAL METALS 6010D	Total Cyanide	Mercury	Pesticides	PCBs	Herbicides
MW-19	L2455026-01	WATER	X	X	X	X	X	X	X	X
FB 2024-09-24	L2455026-02	WATER	X	X	X	X	X	X	X	X
TB 2024-09-24	L2455026-03	WATER	X	X	X	X	X	X	X	X

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Work Order Narrative can be found on page 12. The Work Order has been reviewed and checked for accuracy.
- Alpha Qualifier Definitions can be found on page 14 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 22 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?
    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-19, FB 2024-09-24, TB 2024-09-24, WG1976735-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Tentatively Identified Compounds (TICs)
        i. Qualifiers Used:
            1. J - Estimated Value.
            2. NJ – Presumptive evidence of compound. This represents an estimated concentration for TICs, where the identification is based on a mass spectral library search.
        ii. No TICs identified for WG1976735-5BLANK
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound.
    f. Reviewed Manual Integration Report – Peaks reviewed.

4. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?
    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

5. **Form 2 – Surrogate Recovery Summary**
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

6. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1976735-3
    b. LCSD Sample ID: WG1976735-4
        i. No values found outside of %R limits for the Laboratory Control Sample
        ii. No values found outside of %R limits for the Laboratory Control Duplicate,
        iii. No values found outside of Recovery Limits.
        iv. Data is Acceptable.

7. **Form 4 – Method Blank Summary**
    a. Lab Sample ID: WG1976735-5
        i. Data is Acceptable.

8. **Form 5 – Instrument Performance Check (Tune) Summary**
    a. Data is Acceptable.

9. **Form 6 – Initial Calibration Summary**
        i. Values found out of range.
        ii. Reviewed Quantitation Report (QT Reviewed).
        iii. Reviewed Response Factor Report.
        iv. Reviewed Manual Integration Report.

10. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1976735-2
        i. One (1) value found outside of RRF.
        ii. Four (4) values found outside of %D.
        iii. Data is Acceptable.
        iv. Reviewed Evaluate Continuing Calibration Report – values found out of range.
        v. Reviewed Quantitation Report (QT Reviewed).
        vi. Reviewed Manual Integration Report.

11. **Form 8a – Internal Standard Area and Retention Time Summary**
        i. All samples met internal standard area and retention time criteria.
        ii. No Qualifiers used.
        iii. Data is Acceptable.

12. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

13. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

14. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

15. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-19, FB 2024-09-24, TB 2024-09-24, WG1976780-1BLANK
        1. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

4. **Form 3 – Matrix Spike Sample Summary**
    a. LCS Sample ID: WG1976780-2
    b. LCSD Sample ID: WG1976780-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Observations Noted.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.

d. Reviewed Manual Integration Report.

8. Form 7 – Calibration Verification Summary

a. Sample No: WG1977240-3
   i. Fifteen (15) values found outside of %D.
   ii. Data is Acceptable.
b. Sample No: WG1977240-4
   i. One (1) value found outside of %D.
   ii. Data is Acceptable.
c. Sample No: WG1977240-5
   i. One (1) value found outside of %D.
   ii. Data is Acceptable.
d. Quantitation Report Reviewed.
e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-19, FB 2024-09-24, WG1976781-1BLANK
        i. Qualifiers used:
        ii. U – Indicates the compound was analyzed for but not detected.
        iii. J – Estimated Value.
    b. No samples were diluted.
    c. Quantitation Reports Reviewed.
    d. Reviewed Manual Integration Report.
    e. Reviewed LSC Area Percent Report.
    f. Reviewed Library Search Compound Report.
    g. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside of limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1976781-2
    b. LCSD Sample ID: WG1976781-3
        i. One (1) value found outside of QC limits for LCSD sample.
    c. Qualifier used:
        i. None.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1977136-3
        i. No values found outside of %D.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

Herbicides - EPA8151A

1. **Form I – Organic Analysis Data Sheet**
   a. Samples - MW-19, FB 2024-09-24, WG1976958-1BLANK
      i. Qualifiers used:
         1. U – Indicates the compound was analyzed for but not detected.
      ii. Data is Acceptable.
      iii. Quantitation Report Reviewed for each sample.
      iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

   a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
   a. No values found outside of QC limits.
   b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
   a. LCS Sample ID: WG1976958-2
   b. LCSD Sample ID: WG1976958-3
      i. No values found outside of QC limits.
   c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
   a. Data is Acceptable.

6. **Form 6 – Initial Calibration Summary**
   a. No values found out of range.
   b. Quantitation Report Reviewed.
   c. Reviewed Manual Integration Report.
   d. Reviewed Continuing Calibration Report.

7. **Form 7 - Calibration Verification Summary**
   a. Sample No: WG1976540-7
      i. Channel A – No values found outside of QC limits.
      ii. Channel B – No values found outside of QC limits.
      iii. Data is Acceptable.
   b. Quantitation Report Reviewed.
   c. Reviewed Evaluate Continuing Calibration Report.
   d. Reviewed Manual Integration Report.

8. **Form 8b – Analytical Sequence**

a. Data is Acceptable.

9. **Form 10 – Identification Summary**
   a. No detections found.

10. Have all the data been generated using established and agreed upon analytical protocols?

    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

PCBs EPA8082A

1. **Form 1 – Results Summary – PCBs**
    a. Samples – MW-19, FB 2024-09-24, WG1976835-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. Values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1976835-2
    b. LCSD Sample ID: WG1976835-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. No observations noted.
    b. Acceptable.

6. **Form 5 – Analytical Sequence**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. No values found outside of QC limits
    b. No Qualifiers used.
    c. Reviewed Quantitation Report.
    d. Reviewed Response Factor Report.
    e. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG1977023-1
        i. Channel A – Four (4) values found outside of QC limits.
        ii. Channel B – Two (2) values found outside of QC limits.

iii. Data is Acceptable.

b. Sample No: WG1977023-5
   i. Channel A - Five (5) values found outside of QC limits.
   ii. Channel B – One (1) value found outside of QC limits.
   iii. Data is Acceptable.
c. Sample No: WG1977023-6
   i. Channel A - No values found outside of QC limits.
   ii. Channel B – One (1) value found outside of QC limits.
   iii. Data is Acceptable.
d. Reviewed Evaluate Continuing Calibration Report.
e. Reviewed Quantitation Report.
f. Reviewed Manual Integration Report.

9. Form 8b – Analytical Sequence

a. Data is acceptable.

10. Form 10 – Identification Summary

a. No detections found.

11. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

12. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

13. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used. Any exceptions noted in the beginning of the report.

14. Have any quality control (QC) exceedances been specifically noted in the DUSR?

a. The Quality Control data has been checked; any exceedances have been noted.

PESTICIDES EPA8081B

1. **Form I – Organic Analysis Data Sheet - Pesticides**
    a. Samples - MW-19, FB 2024-09-24, WG1977043-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
            2. J – Value is estimated.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed for each sample.
        iv. Reviewed Manual Integration Report.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Recovery Summary**
    a. No values found outside of QC limits.
    b. Data reviewed – Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG1977043-2
    b. LCSD Sample ID: WG1977043-3
        i. No values found outside of QC limits.
    c. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 6 – Initial Calibration Summary**
    a. No values found out of range.
    b. Quantitation Report Reviewed.
    c. Reviewed Manual Integration Report.
    d. Reviewed Continuing Calibration Report.

7. **Form 7 - Calibration Verification Summary**
    a. Sample No: WG1977176-1
        i. Channel A – Two (2) values found outside of QC limits.
        ii. Channel B – Twelve (12) values found outside of QC limits.
    b. Data is Acceptable.
    c. Sample No: WG1977176-2
        i. Channel A - No values found outside of QC limits.
        ii. Channel B – Two (2) values found outside of QC limits.
        iii. Data is Acceptable.

d. Sample No: WG1977176-3
    i. Channel A – One (1) value found outside of QC limits.
    ii. Channel B – No value found outside of QC limits.
    iii. Data is Acceptable.
e. Quantitation Report Reviewed.
f. Reviewed Evaluate Continuing Calibration Report.
g. Reviewed Manual Integration Report.

8. Form 8b – Analytical Sequence

a. Data is Acceptable.

9. Form 10 – Identification Summary

a. Qualifiers used:
    i. J – Value is estimated.
b. Data is Acceptable.

10. Form 15 – Performance Evaluation Mixture Summary

a. Data is Acceptable.
b. Reviewed Quantitation Report.
c. Reviewed Manual Integration Report.

11. Have all the data been generated using established and agreed upon analytical protocols?

a. Yes, all the data has been generated using established and agreed upon analytical protocols.

12. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

13. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?

a. Yes, the correct data qualifiers have been used.

14. Have any quality control (QC) exceedances been specifically noted in the DUSR?

a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-19, FB 2024-09-24, WG1976518-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG19576518-3
        i. Qualifier used on Matrix Spike:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

    c. Matrix Spike: WG1976581-3
    d. Matrix Spike Dup: WG1976581-4
        i. Qualifier used on Matrix Spike and Matrix Spike Dup:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    e. Data is Acceptable.

f. Matrix Spike: WG1976581-7
g. Matrix Spike Dup: WG1976581-8
    i. Qualifier used on Matrix Spike Dup:
        1. Q – The quality control sample exceeds the associated acceptance criteria.
h. Data is Acceptable.

6. **Form 6 – Lab Duplicates**
    a. Data is Acceptable.

7. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG1976518-2
        i. No values found outside of %R.
        ii. Data is Acceptable.
    b. Laboratory Sample ID: WG1976581-2
        i. No values found outside of %R.
        ii. Data is Acceptable.

8. **Form 8 – Serial Dilutions**
    a. Serial Dilution ID: WG1976581-6
        i. No values found outside of limits.
        ii. Data is acceptable.

9. **Form 12 – Preparation Log**
    a. Data is acceptable.

10. **Form 13 – Analysis Run Log**
    a. Data is acceptable.

11. **Form14 – ICP-MS Tune**
    a. No values found outside of %RSD.

12. **Form 15 – ICP_MS Internal Standards Relative Intensity Summary**
    a. Data is Acceptable.

13. Reviewed Performance Report.
14. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-19, FB 2024-09-24, WG1976565-1BLANK, WG1976565-4DUP, WG1976591-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG1976565-3
        i. No values found outside of %R.
        ii. Qualifier used:
            1. None.
    b. Data is Acceptable.

    c. Matrix Spike: WG1976591-3
    d. Matrix Spike Dup: WG1976591-4
        i. No values found outside of %R.
        ii. Qualifier used:
            1. None.
    e. Data is Acceptable.

5. **Form 6 – Lab Duplicates**
    a. Dup Sample ID: WG1976565-4
    b. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG1976565-2

i. No values found outside of %R.
ii. Qualifier used:
    1. None.
iii. Data is Acceptable.

7. Form 12 – Preparation Log

a. Data is acceptable.

8. Form 13 – Analysis Run Log

a. Data is acceptable.

9. Reviewed Performance Report.
10. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-19, FB 2024-09-24, WG1976342-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2469589
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – November 25, 2024

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
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PREPARED BY:

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August 28, 2025

Client Project ID: 41.0163097.00
Alpha Project (SDG) No. L2469589
Sample Collection Date: November 25, 2024

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: July 31, 2024
Alpha Project (SDG) No. L2469589
Sample Identification:

CLIENT SAMPLE ID	DATE SAMPLED	LAB ID	MATRIX	TCL VOCs + 10 TICs	SVOCs + 20 TICs	TAL METALS (Total & Dissolved)	Total Cyanide	Mercury
MW-14	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
MW-15	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
MW-16	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
MW-17	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
MW-18	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
FD-01 2024-11-25	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
ED-01 2024-11-25	11/25/2024	L2469589	WATER	**X**	**X**	**X**	**X**	**X**
TD-01 2024-11-25	11/25/2024	L2469589	WATER	**X**				

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor

SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Case Narrative can be found on page 8. The Work Order has been reviewed and checked for accuracy.
- Alpha Qualifier Definitions can be found on page 11 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 18 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25, WG2005052-5BLANK, WG2005195-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. MW-14 had a 20X dilution, MW-15 and FD-01 2024-11-25 had a 2X dilution
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound - qualifiers found out of range for tert-Butylbenzene and sec-Butylbenzene.
    f. Reviewed Manual Integration Report – Peaks reviewed.
    g. Reviewed LSC Area Percent Report.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
        ii. NJ – Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
    c. No Tentatively Identified Compounds identified for FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25, WG2005052-5BLANK, WG2005195-5BLANK
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound –
    f. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. Form 2 – Surrogate Recovery Summary

i. No values found outside of QC limits.
ii. Data is Acceptable.

7. Form 3 – Laboratory Control Sample Summary

a. LCS Sample ID: WG2005052-3
LCSD Sample ID: WG2005052-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. No values found outside of %R limits for the Laboratory Control Duplicate.
   iii. No values found outside of Recovery Limits.
   iv. Data is Acceptable.

b. LCS Sample ID: WG2005195-3
LCSD Sample ID: WG2005195-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. No values found outside of %R limits for the Laboratory Control Duplicate.
   iii. No values found outside of Recovery Limits.
   iv. Data is Acceptable.

c. LCS Sample ID: WG2005195-6
LCSD Sample ID: WG2005195-7
   i. Values found outside of %R limits for the Laboratory Control Sample
   ii. Values found outside of %R limits for the Laboratory Control Duplicate.
   iii. Values found outside of Recovery Limits.
   iv. Data is Acceptable.

8. Form 4 – Method Blank Summary

a. Lab Sample ID: WG2005052-5, WG2005195-5
   i. Data is Acceptable.

9. Form 5 – Instrument Performance Check (Tune) Summary

a. Data is Acceptable.

10. Form 6 – Initial Calibration Summary

a. *Q– the Quality control sample exceeds the associated acceptance criteria.
b. *L – 1,2-Dibromo-3-
c. Values found out of range.
d. Reviewed Quantitation Report (QT Reviewed).
e. Reviewed Response Factor Report.
f. Reviewed Manual Integration Report.

11. Form 7 – Calibration Verification Summary

a. Sample No: WG2005052-2

i. Three (3) values found outside of %D.
ii. Data is Acceptable.

b. Sample No: WG2005195-2
iii. Six (6) values found outside of %D.
iv. Data is Acceptable.

v. Reviewed Evaluate Continuing Calibration Report – values found out of range.
vi. Reviewed Quantitation Report (QT Reviewed).
vii. Reviewed Manual Integration Report.

12. **Form 8a – Internal Standard Area and Retention Time Summary**
i. All samples met internal standard area and retention time criteria.
ii. No Qualifiers used.
iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?
a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2003564-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
            2. NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2003564-2
    LCSD Sample ID: WG2003564-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

    b. LCS Sample ID: WG2003564-4
    LCSD Sample ID: WG2003564-5
        iv. Values found outside of QC limits for LCS and LCSD samples.
        v. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.

vi. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Response Factor Report.
    d. Reviewed Quantitation Report.
    e. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2003718-3
        ii. Three (3) values found outside of %D.
        iii. Data is Acceptable.
    b. Sample No: WG2003718-4
        iv. Two (2) values found outside of %D.
        v. Data is Acceptable.
    c. Sample No: WG2003718-5
        vi. Four (4) values found outside of %D.
        vii. Data is Acceptable.
    d. Sample No: WG2004023-3
        viii. Two (2) values found outside of %D.
        ix. Data is Acceptable.
    e. Sample No: WG2004023-4
        x. Two (2) values found outside of %D.
        xi. Data is Acceptable.
    f. Sample No: WG2004023-5
        xii. Three (3) values found outside of %D.
        xiii. Data is Acceptable.
    g. Sample No: WG2004542-3
        xiv. Thirteen (13) values found outside of %D.
        xv. Data is Acceptable.
    h. Sample No: WG2004542-4
        xvi. One (1) value found outside of %D.
        xvii. Data is Acceptable.
    i. Sample No: WG2004542-5
        xviii. Two (2) values found outside of %D.
        xix. Data is Acceptable.
    j. Quantitation Report Reviewed – qualifiers found out of range, data checked.

k. Evaluated Continuing Calibration Report Reviewed.

l. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

m. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

n. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

o. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

p. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2003565-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
            2. J – Estimated Value.
        ii. No samples were diluted.
        iii. Quantitation Reports Reviewed.
        iv. Reviewed Manual Integration Report.
        v. Reviewed LSC Area Percent Report.
        vi. Reviewed Library Search Compound Report.
        vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Matrix Spike Sample Summary**
    a. Matrix Spike Sample ID: WG2003565-2
        a. Matrix Spike Dup Sample ID: WG2003565-3
            i. No values found outside of QC limits for LCSD samples.

    b. Matrix Spike Sample ID: WG2003565-4
        a. Matrix Spike Dup Sample ID: WG2003565-5
            i. Values found outside of QC limits for LCSD samples.
            ii. Qualifier used:
                1. Q – The quality control sample exceeds the associated acceptance criteria.
        b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2003677-3
        i. One (1) value found outside of %D.
    b. Sample No: WG2004923-3
        i. No values found outside of %D.
    c. Data is Acceptable.
    d. Quantitation Report Reviewed.
    e. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2004671-3
    Matrix Spike Dup: WG2004671-4
        i. Matrix Spike Dup – values found outside of %R
        ii. Qualifiers used:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

    c. Matrix Spike: WG2004640-3
    Matrix Spike Dup: WG2004640-4
        i. No values found outside of %R

d. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**
   a. Laboratory Sample ID: WG2004671-2
      i. No values found outside of %R.
      ii. Data is Acceptable.
   b. Laboratory Sample ID: WG2004640-2
      i. No values found outside of %R.
      ii. Data is Acceptable.

7. **Form 8 – Serial Dilutions**
   a. Serial Dilution IDL WG2004671-6
      i. No data presented.
   b. Serial Dilution IDL WG2004640-6
      i. No values found outside of limits.
      ii. Data is acceptable.

8. **Form 12 – Preparation Log**
   a. Data is acceptable.

9. **Form 13 – Analysis Run Log**
   a. Data is acceptable.

10. **Form14 – ICP-MS Tune**
    a. No values found outside of %RSD.

11. **Form 15 – ICP MS Internal Standards Relative Intensity Summary**
    a. Data is Acceptable.

12. Reviewed Performance Report.
13. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2004678-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2004678-3
    Matrix Spike Dup: WG2004678-4
        i. Qualifier used:
            1. None.
    b. Data is Acceptable.

    c. Matrix Spike: WG2004644-3
    Matrix Spike Dup: WG2004644-4
        i. Qualifier used:
            1. None.
    d. Data is Acceptable.

5. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG2004678-2
        i. No values found outside of %R.
        ii. Data is Acceptable.
    b. Laboratory Sample ID: WG2004644-2
        i. No values found outside of %R.

ii. Data is Acceptable.

6. **Form 12 – Preparation Log**
   a. Data is acceptable.

7. **Form 13 – Analysis Run Log**
   a. Data is acceptable.

8. Reviewed Performance Report.
9. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-14, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2004804-1BLANK, WG2005123-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Indicates the compound is estimated.
        ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Alpha Analytical Laboratories Inc
Alpha Project (SDG) No.: L2511034
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – February 27, 2025

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

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September 2, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: February 27, 2025
Alpha Project (SDG) No. L2511034
Sample Identification:

CLIENT SAMPLE ID	DATE SAMPLED	LAB ID	MATRIX	TCL VOCs + 10 TICs	SVOCs + 20 TICs	TAL METALS (Total & Dissolved)	Total Cyanide	Mercury
MW-14	2/27/2025	L2511034-01	Ground Water	X	X	X	X	X
EB_2024-02-27	2/27/2025	L2511034-02	Ground Water	X	X	X	X	X
TB_2024-02-27	2/27/2025	L2511034-03	Ground Water	X				

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Case Narrative can be found on page 10. The Work Order has been reviewed and checked for accuracy.
- Alpha Qualifier Definitions can be found on page 13 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 20 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-14, EB_2024-02-27, TB_2024-02-27, WG2037187-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound - qualifiers found out of range for tert-Butylbenzene and sec-Butylbenzene.
    e. Reviewed Manual Integration Report – Peaks reviewed.
    f. Reviewed LSC Area Percent Report.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-14, EB_2024-02-27, TB_2024-02-27, WG2037187-5BLANK
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound.
    e. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. **Form 2 – Surrogate Recovery Summary**
        i. No values found outside of QC limits.
        ii. Data is Acceptable.

7. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2037187-3
    b. LCSD Sample ID: WG2037187-4
        i. No values found outside of %R limits for the Laboratory Control Sample

ii. No values found outside of %R limits for the Laboratory Control Duplicate.
iii. No values found outside of Recovery Limits.
iv. Data is Acceptable.

8. **Form 4 – Method Blank Summary**
   a. Lab Sample ID: WG2037187-5
      i. Data is Acceptable.

9. **Form 5 – Instrument Performance Check (Tune) Summary**
   a. Data is Acceptable.

10. **Form 6 – Initial Calibration Summary**
   a. *Q – Bromoform – the Quality control sample exceeds the associated acceptance criteria.
   b. *L – 1,2-Dibromo-3-
   c. Values found out of range.
   d. Reviewed Quantitation Report (QT Reviewed).
   e. Reviewed Response Factor Report.
   f. Reviewed Manual Integration Report.

11. **Form 7 – Calibration Verification Summary**
   a. Sample No: WG2037187-2
      i. Six (6) values found outside of %D.
      ii. Data is Acceptable.
      iii. Reviewed Evaluate Continuing Calibration Report – values found out of range.
      iv. Reviewed Quantitation Report (QT Reviewed).
      v. Reviewed Manual Integration Report.

12. **Form 8a – Internal Standard Area and Retention Time Summary**
      i. All samples met internal standard area and retention time criteria.
      ii. No Qualifiers used.
      iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?
   a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, EB_2024-02-27, WG2035429-1BLANK
        1. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. One (1) value found outside of QC limits for MW-14 (L2511034-01).
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2035429-2
    b. LCSD Sample ID: WG2035429-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Response Factor Report.

d. Reviewed Quantitation Report.
e. Reviewed Manual Integration Report.

8. Form 7 – Calibration Verification Summary

a. Sample No: WG2035516-3
   ii. No values found outside of %D.
   iii. Data is Acceptable.
b. Sample No: WG2035516-4
   iv. One (1) value found outside of %D.
   v. Data is Acceptable.
c. Sample No: WG2035516-5
   vi. Two (2) values found outside of %D.
   vii. Data is Acceptable.
d. Quantitation Report Reviewed – qualifiers found out of range, data checked.
e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, EB_2024-02-27, WG2035430-1BLANK, WB2037073-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
            2. J – Estimated Value.
        ii. No samples were diluted.
        iii. Quantitation Reports Reviewed.
        iv. Reviewed Manual Integration Report.
        v. Reviewed LSC Area Percent Report.
        vi. Reviewed Library Search Compound Report.
        vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. Values found outside of QC limits for MW-14 (L2511034-01).
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2035430-2
    b. LCSD Sample ID: WG2035430-3
        i. Values found outside of QC limits for LCSD samples.
    c. Qualifier used:
        i. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2035676-3
        i. Three (3) values found outside of %D.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed.
        iv. Evaluate Continuing Calibration Report Reviewed.
    b. Sample No: WG2037249-3
        i. No values found outside of %D.
        ii. Data is Acceptable.
        iii. Quantitation Report Reviewed.
        iv. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-14, WG2035762-1BLANK, WG2035762-4DUP, EB_2024-02-27, WG2035944-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2035762-3
        i. Matrix Spike – No values found outside of %R
        ii. Qualifiers used:
            1. J – Concentration is Estimated.
    b. Data is Acceptable.

    c. Matrix Spike: WG2035944-3
    d. Matrix Spike Dup: WG2035944-4
        i. Matrix Spike Dup – values found outside of %R
        ii. Qualifiers used:
            1. J – Concentration is Estimated.

2. Q – The quality control sample exceeds the associated acceptance criteria.

e. Data is Acceptable.

6. Form 6 – Lab Duplicates

a. Dup Sample ID: WG2035762-4
   i. No values found outside of RPD Limit.
   ii. Data is Acceptable.

7. Form 7 – Laboratory Control Sample

a. Laboratory Sample ID: WG2035762-2
   i. No values found outside of %R.
   ii. Data is Acceptable.
b. Laboratory Sample ID: WG2035944-2
   i. No values found outside of %R.
   ii. Data is Acceptable.

8. Form 8 – Serial Dilutions

a. Serial Dilution ID: WG2035944-6
   i. No values found outside of limits.
   ii. Data is acceptable.

9. Form 12 – Preparation Log

a. Data is acceptable.

10. Form 13 – Analysis Run Log

a. Data is acceptable.

11. Form14 – ICP-MS Tune

a. No values found outside of %RSD.

12. Form 15 – ICP MS Internal Standards Relative Intensity Summary

a. Data is Acceptable.

13. Reviewed Performance Report.
14. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-14, EB_2024-02-27, WG2035764-1BLANK, WG2035764-4DUP, WG2035973-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2035764-3
    b. Matrix Spike Dup:
        i. Qualifier used:
            1. None.
    c. Data is Acceptable.

    d. Matrix Spike: WG2035973-3
    e. Matrix Spike Dup: WG2035973-4
        i. Qualifier used:
            1. None.
    f. Data is Acceptable.

5. **Form 6 – Lab Duplicates**
    a. Dup Sample ID: WG2035764-4
        i. No values outside of RPD Limit.
        ii. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**

a. Laboratory Sample ID: WG2035764-2
    i. No values found outside of %R.
    ii. Data is Acceptable.
b. Laboratory Sample ID: WG2035973-2
    i. No values found outside of %R.
    ii. Data is Acceptable.

7. Form 12 – Preparation Log

a. Data is acceptable.

8. Form 13 – Analysis Run Log

a. Data is acceptable.

9. Reviewed Performance Report.
10. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-14, EB_2024-02-27, WG2036001-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
        ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Pace Analytical Services
Pace Project (SDG) No.: L2510540
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – February 26, 2025

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

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August 27, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: February 26, 2025
Pace Project (SDG) No. L2510540
Sample Identification:

CLIENT SAMPLE ID	DATE SAMPLED	LAB ID	MATRIX	TCL VOCs + 10 TICs	SVOCs + 20 TICs	TAL METALS (Total & Dissolved)	Total Cyanide	Mercury
MW-02	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
MW-15	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
MW-16	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
MW-17	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
MW-18	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
FD-01 2024-02-26	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
EB-01 2024-02-26	2/26/2025	L2510540	WATER	**X**	**X**	**X**	**X**	**X**
TB-01 2024-02-26	2/26/2025	L2510540	WATER	**X**				

Definitions:

GW – Water
NA – Not Analyzed
PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor

SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Case Narrative can be found on page 11. The Work Order has been reviewed and checked for accuracy.
- Data Qualifier Definitions can be found on page 14 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 23 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25, WG2005052-5BLANK, WG2005195-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. MW-02 had a 20X dilution, MW-15 and FD-01 2024-11-25 had a 2X dilution
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound - qualifiers found out of range for tert-Butylbenzene and sec-Butylbenzene.
    f. Reviewed Manual Integration Report – Peaks reviewed.
    g. Reviewed LSC Area Percent Report.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
        ii. NJ – Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
    c. No Tentatively Identified Compounds identified for FD-01 2024-11-25, EB-01 2024-11-25, TB-01 2024-11-25, WG2005052-5BLANK, WG2005195-5BLANK
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound –
    f. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. Form 2 – Surrogate Recovery Summary

i. No values found outside of QC limits.
ii. Data is Acceptable.

7. Form 3 – Laboratory Control Sample Summary

a. LCS Sample ID: WG2005052-3
LCSD Sample ID: WG2005052-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. No values found outside of %R limits for the Laboratory Control Duplicate.
   iii. No values found outside of Recovery Limits.
   iv. Data is Acceptable.

b. LCS Sample ID: WG2005195-3
LCSD Sample ID: WG2005195-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. No values found outside of %R limits for the Laboratory Control Duplicate.
   iii. No values found outside of Recovery Limits.
   iv. Data is Acceptable.

c. LCS Sample ID: WG2005195-6
LCSD Sample ID: WG2005195-7
   i. Values found outside of %R limits for the Laboratory Control Sample
   ii. Values found outside of %R limits for the Laboratory Control Duplicate.
   iii. Values found outside of Recovery Limits.
   iv. Data is Acceptable.

8. Form 4 – Method Blank Summary

a. Lab Sample ID: WG2005052-5, WG2005195-5
   i. Data is Acceptable.

9. Form 5 – Instrument Performance Check (Tune) Summary

a. Data is Acceptable.

10. Form 6 – Initial Calibration Summary

a. *Q– the Quality control sample exceeds the associated acceptance criteria.
b. *L – 1,2-Dibromo-3-
c. Values found out of range.
d. Reviewed Quantitation Report (QT Reviewed).
e. Reviewed Response Factor Report.
f. Reviewed Manual Integration Report.

11. Form 7 – Calibration Verification Summary

a. Sample No: WG2005052-2

i. Three (3) values found outside of %D.
ii. Data is Acceptable.

b. Sample No: WG2005195-2
iii. Six (6) values found outside of %D.
iv. Data is Acceptable.

v. Reviewed Evaluate Continuing Calibration Report – values found out of range.
vi. Reviewed Quantitation Report (QT Reviewed).
vii. Reviewed Manual Integration Report.

12. **Form 8a – Internal Standard Area and Retention Time Summary**
i. All samples met internal standard area and retention time criteria.
ii. No Qualifiers used.
iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?
a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2003564-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
            2. NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2003564-2
    LCSD Sample ID: WG2003564-3
        i. Values found outside of QC limits for LCS and LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

    b. LCS Sample ID: WG2003564-4
    LCSD Sample ID: WG2003564-5
        iv. Values found outside of QC limits for LCS and LCSD samples.
        v. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.

vi. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
    a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
    a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Response Factor Report.
    d. Reviewed Quantitation Report.
    e. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2003718-3
        ii. Three (3) values found outside of %D.
        iii. Data is Acceptable.
    b. Sample No: WG2003718-4
        iv. Two (2) values found outside of %D.
        v. Data is Acceptable.
    c. Sample No: WG2003718-5
        vi. Four (4) values found outside of %D.
        vii. Data is Acceptable.
    d. Sample No: WG2004023-3
        viii. Two (2) values found outside of %D.
        ix. Data is Acceptable.
    e. Sample No: WG2004023-4
        x. Two (2) values found outside of %D.
        xi. Data is Acceptable.
    f. Sample No: WG2004023-5
        xii. Three (3) values found outside of %D.
        xiii. Data is Acceptable.
    g. Sample No: WG2004542-3
        xiv. Thirteen (13) values found outside of %D.
        xv. Data is Acceptable.
    h. Sample No: WG2004542-4
        xvi. One (1) value found outside of %D.
        xvii. Data is Acceptable.
    i. Sample No: WG2004542-5
        xviii. Two (2) values found outside of %D.
        xix. Data is Acceptable.
    j. Quantitation Report Reviewed – qualifiers found out of range, data checked.

k. Evaluated Continuing Calibration Report Reviewed.

l. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

m. Have all the data been generated using established and agreed upon analytical protocols?
   i. Yes, all the data has been generated using established and agreed upon analytical protocols.

n. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
   ii. Reviewed Semivolatiles Raw QC Data.

o. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

p. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2003565-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
            2. J – Estimated Value.
        ii. No samples were diluted.
        iii. Quantitation Reports Reviewed.
        iv. Reviewed Manual Integration Report.
        v. Reviewed LSC Area Percent Report.
        vi. Reviewed Library Search Compound Report.
        vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Matrix Spike Sample Summary**
    a. Matrix Spike Sample ID: WG2003565-2
        a. Matrix Spike Dup Sample ID: WG2003565-3
            i. No values found outside of QC limits for LCSD samples.

    b. Matrix Spike Sample ID: WG2003565-4
        a. Matrix Spike Dup Sample ID: WG2003565-5
            i. Values found outside of QC limits for LCSD samples.
            ii. Qualifier used:
                1. Q – The quality control sample exceeds the associated acceptance criteria.
        b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2003677-3
        i. One (1) value found outside of %D.
    b. Sample No: WG2004923-3
        i. No values found outside of %D.
    c. Data is Acceptable.
    d. Quantitation Report Reviewed.
    e. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2004671-3
    Matrix Spike Dup: WG2004671-4
        i. Matrix Spike Dup – values found outside of %R
        ii. Qualifiers used:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

    c. Matrix Spike: WG2004640-3
    Matrix Spike Dup: WG2004640-4
        i. No values found outside of %R

d. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**
   a. Laboratory Sample ID: WG2004671-2
      i. No values found outside of %R.
      ii. Data is Acceptable.
   b. Laboratory Sample ID: WG2004640-2
      i. No values found outside of %R.
      ii. Data is Acceptable.

7. **Form 8 – Serial Dilutions**
   a. Serial Dilution IDL WG2004671-6
      i. No data presented.
   b. Serial Dilution IDL WG2004640-6
      i. No values found outside of limits.
      ii. Data is acceptable.

8. **Form 12 – Preparation Log**
   a. Data is acceptable.

9. **Form 13 – Analysis Run Log**
   a. Data is acceptable.

10. **Form14 – ICP-MS Tune**
    a. No values found outside of %RSD.

11. **Form 15 – ICP MS Internal Standards Relative Intensity Summary**
    a. Data is Acceptable.

12. Reviewed Performance Report.
13. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2004678-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2004678-3
    Matrix Spike Dup: WG2004678-4
        i. Qualifier used:
            1. None.
    b. Data is Acceptable.

    c. Matrix Spike: WG2004644-3
    Matrix Spike Dup: WG2004644-4
        i. Qualifier used:
            1. None.
    d. Data is Acceptable.

5. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG2004678-2
        i. No values found outside of %R.
        ii. Data is Acceptable.
    b. Laboratory Sample ID: WG2004644-2
        i. No values found outside of %R.

ii. Data is Acceptable.

6. **Form 12 – Preparation Log**
   a. Data is acceptable.

7. **Form 13 – Analysis Run Log**
   a. Data is acceptable.

8. Reviewed Performance Report.
9. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    a. MW-02, MW-15, MW-16, MW-17, MW-18, FD-01 2024-11-25, EB-01 2024-11-25, WG2004804-1BLANK, WG2005123-1BLANK
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Indicates the compound is estimated.
        ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

DATA USABILITY SUMMARY REPORT

Pace Analytical Services
Pace Project (SDG) No.: L2532220
Client ID: SA 101 E 150th St, Bronx, NY
Groundwater Samples
Collection Date – May 22, 2025

PREPARED FOR:

GZA GeoEnvironmental, Inc. – NYC
104 West 29th Street, 10th Floor
New York, NY 10001

PREPARED BY:

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September 5, 2025

Data Usability Summary Report Introduction & Notes

Client Project ID: 41.0163097.00 - SA 101 E 150th St, Bronx, NY
Sample Collection Date: May 22, 2025
Pace Project (SDG) No. L2532220
Sample Identification:

CLIENT SAMPLE ID	DATE SAMPLED	LAB ID	MATRIX	TCL VOCs + 10 TICs	SVOCs + 20 TICs	TAL METALS (Total & Dissolved)	Total Cyanide	Mercury
MW-14	5/22/2025	L2532220-01	WATER	**X**	**X**	**X**	**X**	**X**
MW-15	5/22/2025	L2532220-02	WATER	**X**	**X**	**X**	**X**	**X**
MW-16	5/22/2025	L2532220-03	WATER	**X**	**X**	**X**	**X**	**X**
MW-17	5/22/2025	L2532220-04	WATER	**X**	**X**	**X**	**X**	**X**
DUP-01-2025-05-22	5/22/2025	L2532220-05	WATER	**X**	**X**	**X**	**X**	**X**
FB-2025-05-22	5/22/2025	L2532220-06	WATER	**X**	**X**	**X**	**X**	**X**
TB-01	5/22/2025	L2532220-07	WATER	**X**	**X**	**X**	**X**	**X**
TB-02	5/22/2025	L2532220-08	WATER	**X**	**X**	**X**	**X**	**X**
EB-2025-05-22	5/22/2025	L2532220-09	WATER	**X**	**X**	**X**	**X**	**X**

Definitions:

GW – Water
NA – Not Analyzed

PFAS – Polyfluoroalkyl Substances
VOCs – Volatile Organic Compounds
SV – Water Vapor
SVOCs – Semi-Volatile Organic Compounds
Herbs – Herbicides
PCBs – Polychlorinated Biphenyl
Pest - Pesticides
LCS – Lab Control Sample
LCSD – Lab Control Sample Duplicate

Notes:

- The Case Narrative can be found on page 9. The Work Order has been reviewed and checked for accuracy.
- Data Qualifier Definitions can be found on page 12 of the laboratory report. The correct qualifiers have been used in the report.
- The Chain of Custody can be found on page 21 of the laboratory report.

The data package was evaluated as per:

- New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation – May 3, 2010, Appendix 2B – Guidance for the Development of DUSRs.
- United States Environmental Protection Agency (USEPA) Laboratory Contract Program.

The Data Usability Summary follows for each sample.

VOCs EPA 8260D

1. Is the data package complete as defined under the requirements for the most current DEC Analytical Services Protocol (ASP) Category B or USEPA CLP data deliverables?

    a. Yes, the data package is complete as per DEC ASP Category B.

2. Have all the holding times been met?
    a. Yes, all holding times have been met – Reviewed Holding Time Summary.

3. **Form I – Organic Analysis Data Sheet - VOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, TB-01, TB-02, EB-2025-05-22, WG2073949-5BLANK, WG2075858-5BLANK
    b. Sample & Data Qualifiers used:
        i. U – Not detected at the method detection limit (MDL) for the sample.
        ii. J – Estimated Value.
    c. Data is Acceptable.
    d. Quantitation Report (QT Reviewed) for each compound - qualifiers found out of range.
    e. Reviewed Manual Integration Report – Peaks reviewed.
    f. Reviewed LSC Area Percent Report.

4. **Form 1 – Tentatively Identified Compounds**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, TB-01, TB-02, EB-2025-05-22, WG2073949-5BLANK, WG2075858-5BLANK
    b. Sample & Data Qualifiers used
        i. J – Estimated Value
        ii. NJ – Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
    c. No Tentatively Identified Compounds identified for MW-16, FB-2025-05-22, TB-01, TB-02, EB-2025-05-22, WG2073949-5BLANK
    d. Data is Acceptable.
    e. Quantitation Report (QT Reviewed) for each compound.
    f. Reviewed Tentatively Identified Compound (LCS) summary.

5. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.
        i. Reviewed VOA Raw QC Data.
        ii. BFB Spectrum Data – Result: Pass

6. **Form 2 – Surrogate Recovery Summary**

i. No values found outside of QC limits.
ii. Data is Acceptable.

7. Form 3 – Laboratory Control Sample Summary

a. LCS Sample ID: WG2073949-3
LCSD Sample ID: WG2073949-4
   i. Values found outside of %R limits for the Laboratory Control Sample
   ii. Values found outside of %R limits for the Laboratory Control Duplicate.
   iii. Values found outside of Recovery Limits.
      1. Qualifiers Used:
         a. Q– the Quality control sample exceeds the associated acceptance criteria.
   iv. Data is Acceptable.

b. LCS Sample ID: WG2075858-3
LCSD Sample ID: WG2075858-4
   i. No values found outside of %R limits for the Laboratory Control Sample
   ii. Values found outside of %R limits for the Laboratory Control Duplicate.
   iii. Values found outside of Recovery Limits.
      1. Qualifiers Used:
         a. Q– the Quality control sample exceeds the associated acceptance criteria.
   iv. Data is Acceptable.

8. Form 4 – Method Blank Summary

a. Lab Sample ID: WG2073949-5, WG2075858-5
   i. Data is Acceptable.

9. Form 5 – Instrument Performance Check (Tune) Summary

a. Data is Acceptable.

10. Form 6 – Initial Calibration Summary

a. *Q– the Quality control sample exceeds the associated acceptance criteria.
b. *L – Qualifier used but there is no definition. It is assumed that the value is in the low range.
c. Values found out of range.
d. Reviewed Quantitation Report (QT Reviewed).
e. Reviewed Response Factor Report.
f. Reviewed Manual Integration Report.

11. Form 7 – Calibration Verification Summary

a. Sample No: WG2073949-2
   i. Thirteen (13) values found outside of RRF.
   ii. Twelve (12) values found outside of %D.
   iii. Data is Acceptable.

b. Sample No: WG2075858-2
   iv. Fourteen (14) values found outside of RRF.
   v. Ten (10
   vi.) values found outside of %D.
   vii. Data is Acceptable.

   viii. Reviewed Evaluate Continuing Calibration Report – values found out of range.
   ix. Reviewed Quantitation Report (QT Reviewed).
   x. Reviewed Manual Integration Report.

12. **Form 8a – Internal Standard Area and Retention Time Summary**
   i. All samples met internal standard area and retention time criteria.
   ii. No Qualifiers used.
   iii. Data is Acceptable.

13. Have all the data been generated using established and agreed upon analytical protocols?
   a. Yes, all the data has been generated using established and agreed upon analytical protocols.

14. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

   a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.

15. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
   a. Yes, the correct data qualifiers have been used.

16. Have any quality control (QC) exceedances been specifically noted in the DUSR?
   a. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270E

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, TB-01, TB-02, EB-2025-05-22, WG2071281-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
        ii. Tentatively Identified Compounds used the following Qualifiers:
            1. J – Estimated Value.
            2. NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mas spectral library search.
        iii. No samples were diluted.
        iv. Quantitation Reports Reviewed.
        v. Reviewed Manual Integration Report.
        vi. Reviewed LSC Area Percent Report.
        vii. Reviewed Library Search Compound Report.
        viii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. No values found outside Recovery Limits and RT Diff Limits.
    b. Data is Acceptable.

4. **Form 3 – Laboratory Control Sample Summary**
    a. LCS Sample ID: WG2071281-2
    LCSD Sample ID: WG2071281-3
        i. Values found outside of QC limits for LCSD samples.
        ii. Qualifier used:
            i. Q – The quality control sample exceeds the associated acceptance criteria.
        iii. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        a. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        a. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Response Factor Report.
    d. Reviewed Quantitation Report.
    e. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2071784-3
        ii. Two (2) values found outside of %D.
        iii. Data is Acceptable.
    b. Sample No: WG2071784-4
        iv. No values found outside of QC limits.
        v. Data is Acceptable.
    c. Sample No: WG2071784-5
        vi. No values found outside of QC limits.
        vii. Data is Acceptable.
    d. Quantitation Report Reviewed – qualifiers found out of range, data checked.
    e. Evaluated Continuing Calibration Report Reviewed.

f. **Form 8a – Internal Standard Area and Retention Time Summary**
    i. All samples met internal standard area and retention time criteria.
    ii. No Qualifiers used.
    iii. Data is Acceptable.

g. Have all the data been generated using established and agreed upon analytical protocols?
    i. Yes, all the data has been generated using established and agreed upon analytical protocols.

h. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    i. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    ii. Reviewed Semivolatiles Raw QC Data.

i. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    i. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

j. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    i. The Quality Control data has been checked; any exceedances have been noted.

SVOCs EPA 8270D-SIM

1. **Form I – Results Summary - SVOCs**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, EB-2025-05-22, WG2071282-1BLANK
        i. Qualifiers used:
            1. U – Indicates the compound was analyzed for but not detected.
            2. J – Estimated Value.
        ii. No samples were diluted.
        iii. Quantitation Reports Reviewed.
        iv. Reviewed Manual Integration Report.
        v. Reviewed LSC Area Percent Report.
        vi. Reviewed Library Search Compound Report.
        vii. Data is Acceptable.

2. Do all the QC data; Blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls and sample data fall within the protocol required limits and specifications?

    a. Yes, all the QC Data falls within the protocol required limits and specifications.

3. **Form 2 – Surrogate Standard Recovery**
    a. Values found outside of QC Limits for S5 (TBP) – MW-14 and WG2071282-3LCSD.
    b. Data is Acceptable.

4. **Form 3 – Matrix Spike Sample Summary**
    a. Matrix Spike Sample ID: WG2071282-2
    Matrix Spike Dup Sample ID: WG2071282-3
        i. No values found outside of QC limits for LCSD samples.
    b. Data is Acceptable.

5. **Form 4 – Method Blank Summary**
        i. Data is Acceptable.

6. **Form 5 –Instrument Performance Check (Tune) Summary – Decafluorotriphenylphosphine (DFTPP)**
        i. Data is Acceptable.

7. **Form 6 – Initial Calibration Summary**
    a. Values found outside of range.
    b. Qualifiers found outside of range.
    c. Reviewed Quantitation Report.
    d. Reviewed Manual Integration Report.

8. **Form 7 – Calibration Verification Summary**
    a. Sample No: WG2071998-3
        i. Three (3) values found outside of %D.
    b. Data is Acceptable.
    c. Quantitation Report Reviewed.
    d. Evaluate Continuing Calibration Report Reviewed.

9. **Form 8a – Internal Standard Area and Retention Time Summary**
    a. All samples met internal standard area and retention time criteria.
    b. No Qualifiers used.
    c. Data is Acceptable.

10. Have all the data been generated using established and agreed upon analytical protocols?
    a. Yes, all the data has been generated using established and agreed upon analytical protocols.

11. Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?

    a. Yes, the raw data confirms the results provided in the data summary sheets and quality control verification forms.
    b. Reviewed Semivolatiles Raw QC Data.

12. Have the correct data qualifiers been used and are they consistent with the most current DEC ASP?
    a. Yes, the correct data qualifiers have been used. Exceptions have been noted in the beginning of the report.

13. Have any quality control (QC) exceedances been specifically noted in the DUSR?
    a. The Quality Control data has been checked; any exceedances have been noted.

METALS EPA 6020B

1. **Form 1 – Metals**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, EB-2025-05-22, WG2071659-1BLANK, WG2071659-4 DUP, WG2071659-6, WG2072118-1BLANK, WG2072118-4 DUP
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verfication**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
            2. J – Concentration is Estimated.
    d. Data is Acceptable.

4. **Form 4a – Interference Check Summary**
    a. Data is Acceptable.

5. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2071659-3
    Matrix Spike Dup:
        i. Matrix Spike – values found outside of %R
        ii. Qualifiers used:
            1. Q – The quality control sample exceeds the associated acceptance criteria.
    b. Data is Acceptable.

    c. Matrix Spike: WG2072118-3
    Matrix Spike Dup:

i. Values found outside of %R

d. Data is Acceptable.

6. **Form 6 – Lab Duplicates**
   a. Dup Sample ID: WG2071659-4
      i. No values found outside of QC limits.
      ii. Data is Acceptable.

7. **Form 7 – Laboratory Control Sample**
   a. Laboratory Sample ID: WG2071659-2
      i. No values found outside of %R.
      ii. Data is Acceptable.
   b. Laboratory Sample ID: WG2072118-2
      i. No values found outside of %R.
      ii. Data is Acceptable.

8. **Form 8 – Serial Dilutions**
   a. Serial Dilution IDL WG2071659-6
      i. No values found outside of limits.
      ii. Data is acceptable.

9. **Form 12 – Preparation Log**
   a. Data is acceptable.

10. **Form 13 – Analysis Run Log**
    a. Data is acceptable.

11. **Form14 – ICP-MS Tune**
    a. No values found outside of %RSD.

12. **Form 15 – ICP_MS Internal Standards Relative Intensity Summary**
    a. Data is Acceptable.

13. Reviewed Performance Report.
14. Reviewed Calibration Curves.

MERCURY EPA 7470

1. **Form 1 – Metals**
    a. Samples – MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, EB-2025-05-22, WG2071664-1BLANK, WG2071664-4 DUP
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Data is Acceptable.

2. **Form 2A – Initial and Continuing Calibration Verification**
    a. No values found outside of QC limits.
    b. Data is Acceptable.

3. **Form 3 – Blanks**
    a. Initial Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    b. Continuing Calibration Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    c. Preparation Blank
        i. Qualifiers used:
            1. U - Indicates the compound was analyzed for but not detected.
    d. Data is Acceptable.

4. **Form 5a – Matrix Spike**
    a. Matrix Spike: WG2071664-3
    Matrix Spike Dup:
        i. Qualifier used:
            1. None.
    b. Data is Acceptable.

    c. Matrix Spike: WG2072120-3
    Matrix Spike Dup:
        i. Qualifier used:
            1. None.
    d. Data is Acceptable.

5. **Form 6 – Lab Duplicates**
    a. Dup Sample ID: WG2071664-4
        i. Data is Acceptable.
    b. Dup Sample ID: WG2072120-4
        i. Data is Acceptable.

6. **Form 7 – Laboratory Control Sample**
    a. Laboratory Sample ID: WG2071664-2
        i. No values found outside of %R.
        ii. Data is Acceptable.
    b. Laboratory Sample ID: WG2072120-2
        i. No values found outside of %R.
        ii. Data is Acceptable.

7. **Form 12 – Preparation Log**
    a. Data is acceptable.

8. **Form 13 – Analysis Run Log**
    a. Data is acceptable.

9. Reviewed Performance Report.
10. Reviewed Calibration Curves.

WET CHEMISTRY – Cyanide

1. **Form I – WETCHEM**
    i. MW-14, MW-15, MW-16, MW-17, DUP-01-2025-05-22, FB-2025-05-22, EB-2025-05-22
        1. Qualifiers used:
            a. U - Indicates the compound was analyzed for but not detected.
            b. J – Indicates the compound is estimated.
    ii. Data is Acceptable.

2. **Form 5a – Matrix Spike**
    a. Data is Acceptable.

3. **Form 7 – Laboratory Control Sample**
    a. Data is Acceptable.

APPENDIX Q – SOIL ENDPOINT SAMPLING MEMORANDA AND ANALYTICAL DATA

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez, CHMM

Date: August 28, 2023

Re: Preliminary Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
NYSDEC Site No: C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the preliminary endpoint sample results to the New York State Department of Environmental Conservation (NYSDEC) for the 586 River Ave., LLC (Owner) for the Success Academy Charter School Construction Project located 101 East 150th Street, Bronx, New York (Site).

This preliminary endpoint results is being submitted as a partial fulfillment of the requirements stated to the Interim Remedial Measure (IRM) Work Plan dated June 2023 prepared for the Brownfield Cleanup Program (BCP) Site No. C203154. The endpoint sample locations are shown in Drawing 1 – IRM Remedial Excavation and Proposed Endpoint Sample Locations.

The laboratory analytical results for samples EP-01 to EP -05 were collected at 5 feet below ground surface (bgs), and EP-21 to EP-25 were collected at 8 feet bgs. The results are summarized in the following tables:

- Table 1 – Volatile Organic Compounds in Endpoint Soil Samples
- Table 2 – Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3 – Total Metals in Endpoint Soil Samples
- Table 4 – Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

The laboratory reports (Project ID No. L2343822 and L234987) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)- certified laboratory.

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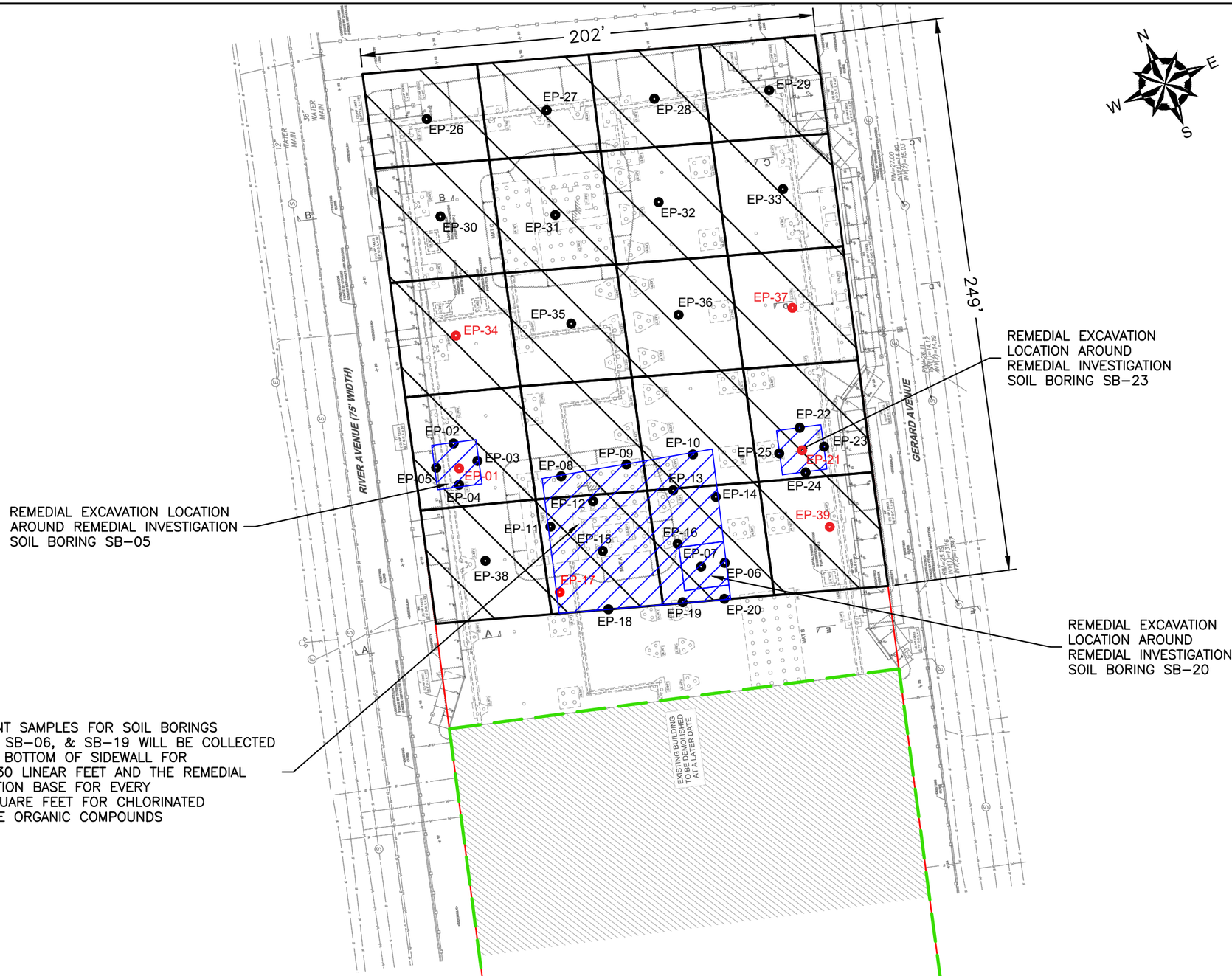
FIGURES



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'-0", DATED 04-20-2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2-FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING - TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-# PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

IRM REMEDIAL EXCAVATION AND PROPOSED ENDPOINT SAMPLE LOCATIONS

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		PREPARED FOR: 586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: AUGUST 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA-J:\Active 162900 to 162999\162951.10 - SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 IRM(R4_PFAS).dwg [DWG 3 - PFAS] August 16, 2023 - 1:15pm Nolan.Quinn

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04 R2		L2343987-03 R1		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																							
1,1,1,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0022		0.00035	J	0.0024		0.0023		0.00033	J	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloroethane	0.27	26	0.27	0.00046	J	0.00099	U	0.00041	J	0.00091		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,1-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,2,3-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,3-Trichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	90		58		0.5		0.015		3.5	U
1,2,4-Trichlorobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	**680**	**E**	**470**	**E**	1.8		0.001	J	**5.6**	
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.003	U	0.0029	U	0.0024	U	0.0033	U	2	U	1.1	U	0.13	U	0.0029	U	0.1	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,2-Dichloropropane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	**210**	**E**	**140**	**E**	0.62		0.0002	J	0.29	
1,3-Dichlorobenzene	2.4	49	2.4	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,3-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,3-Dichloropropene, Total	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
1,4-Dioxane	0.1	13	0.1	0.083	U	0.079	U	0.077	U	0.064	U	0.088	U	52	U	30	U	3.4	U	0.077	U	2.8	U
2,2-Dichloropropane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
2-Butanone	0.12	100	0.12	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0056	J	0.34	U
2-Hexanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Acetone	0.05	100	0.05	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.012		0.34	U
Acrylonitrile	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Benzene	0.06	4.8	0.06	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Bromobenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Bromochloromethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Bromodichloromethane	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Bromoform	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Bromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.034	J	0.0019	U	0.069	U
Carbon disulfide	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Chlorobenzene	1.1	100	1.1	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Chloroethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Chloroform	0.37	49	0.37	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.98	U	0.56	U	0.064	U	0.0014	U	0.052	U
Chloromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00099	U	0.0003	J	0.0012		0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
cis-1,3-Dichloropropene	--	--	--	0.00052	U	0.00049	U	0.00048	U	0.0004	U	0.00055	U	0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Dibromochloromethane	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Dibromomethane	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Ethyl ether	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Ethylbenzene	1	41	1	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**70**		**50**		0.028	J	0.052		0.31	
Hexachlorobutadiene	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Isopropylbenzene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	24		17		0.048		0.0081		0.3	
Methyl tert butyl ether	0.93	100	0.93	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
Methylene chloride	0.05	100	0.05	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	3.3	U	1.9	U	0.21	U	0.0048	U	0.17	U
n-Butylbenzene	12	100	12	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**45**		**29**		0.21		0.0025		1.2	
n-Propylbenzene	3.9	100	3.9	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**83**		**59**		0.26		0.019		1.3	
Naphthalene	12	100	12	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	**110**		**82**		0.19		0.0052		0.5	
o-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
o-Xylene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	140		57		0.032	J	0.00051	J	0.086	
p-Chlorotoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.3	U	0.75	U	0.085	U	0.0019	U	0.069	U
p-Diethylbenzene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	270	E	190	E	1.5		0.0038		1.2	
p-Ethyltoluene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	450	E	290	E	0.6		0.0031		0.62	
p-Isopropyltoluene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	12		6.7		0.056		0.00059	J	0.56	
p/m-Xylene	--	--	--	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	330		210		0.041	J	0.007		0.098	
sec-Butylbenzene	11	100	11	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**15**		10		0.07		0.0017		0.56	
Styrene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U	0.002	U	0.0019	U	0.0016	U	0.0022	U	1.4		0.94		0.0061	J	0.00041	J	0.055	J
Tetrachloroethene	1.3	19	1.3	0.0017		0.001		0.0015		0.0012		0.0027		0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Toluene	0.7	100	0.7	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.46	J	0.38	U	0.042	U	0.00096	U	0.034	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.0015	U	0.0014	U	0.0012	U	0.0016	U	0.98	U	0.56	U	0.064	U	0.0014	U	0.052	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0052	U	0.0049	U	0.0048	U	0.004	U	0.0055	U	3.3	U	1.9	U	0.21	U	0.0048	U	0.17	U
Trichloroethene	0.47	21	0.47	0.00021	J	0.00049	U	0.0013		0.0028		0.00076		0.33	U	0.19	U	0.021	U	0.00048	U	0.017	U
Trichlorofluoromethane	--	--	--	0.0041	U	0.004	U	0.0039	U	0.0032	U	0.0044	U	2.6	U	1.5	U	0.17	U	0.0038	U	0.14	U
Vinyl acetate	--	--	--	0.01	U	0.0099	U	0.0097	U	0.008	U	0.011	U	6.6	U	3.8	U	0.42	U	0.0096	U	0.34	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	0.66	U	0.38	U	0.042	U	0.00096	U	0.034	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.00099	U	0.00097	U	0.0008	U	0.0011	U	**470**		**270**		0.073	J	0.0075	J	0.18	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

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

Value exceeds its Part 375 Unrestricted Use, Restricted Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04 R1		L2343987-03 R1		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																							
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.027	U	0.027	U	0.028	U	0.028	U	0.029	U	0.031	U	0.031	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.85	U	0.88	U	0.86	U	0.88	U	0.89	U	0.92	U	1	U	0.98	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Methylnaphthalene	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	23	E	21	E	0.21	J	0.24	U	5.2	
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
2-Nitrophenol	--	--	--	0.41	U	0.38	U	0.39	U	0.39	U	0.4	U	0.4	U	0.42	U	0.45	U	0.44	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U	0.27	U	0.28	U	0.3	U	0.29	U	0.27	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.46	U	0.47	U	0.46	U	0.48	U	0.48	U	0.5	U	0.54	U	0.53	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.26	U	0.25	U	0.26	U	0.26	U	0.27	U	0.29	U	0.29	U	0.26	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.022	J	0.15	U	0.17	U	0.16	U	0.023	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(a)anthracene	1	1	1	0.13		0.11	U	0.11	U	0.11	U	0.16		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(a)pyrene	1	1	22	0.18		0.14	U	0.15	U	0.14	U	0.18		0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.2		0.11	U	0.11	U	0.11	U	0.21		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.12	J	0.14	U	0.15	U	0.14	U	0.12	J	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.045	J	0.11	U	0.11	U	0.11	U	0.066	J	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Benzoic Acid	--	--	--	0.61	U	0.58	U	0.59	U	0.58	U	0.59	U	0.6	U	0.62	U	0.67	U	0.66	U	0.61	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Biphenyl	--	--	--	0.43	U	0.41	U	0.42	U	0.41	U	0.42	U	0.17	J	0.15	J	0.47	U	0.47	U	0.17	J
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.19	U	0.2	U	0.2	U	0.21	U	0.22	U	0.22	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.23	U	0.25	U	0.24	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.067	J	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Carbazole	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Chrysene	1	3.9	1	0.12		0.11	U	0.11	U	0.11	U	0.14		0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.029	J	0.11	U	0.11	U	0.11	U	0.027	J	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Dibenzofuran	7	59	210	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.019	J	0.21	U	0.2	U	0.19	U
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Fluoranthene	100	100	1000	0.23		0.11	U	0.11	U	0.11	U	0.27		0.11	U	0.12	U	0.12	U	0.12	U	0.023	J
Fluorene	30	100	386	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.024	J	0.022	J	0.21	U	0.2	U	0.038	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U	0.12	U	0.12	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.51	U	0.52	U	0.51	U	0.52	U	0.53	U	0.55	U	0.59	U	0.58	U	0.54	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	J	0.14	U	0.15	U	0.14	U	0.15		0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Naphthalene	12	100	12	0.038	J	0.18	U	0.18	U	0.18	U	0.18	U	**30**	**E**	**24**	**E**	0.12	J	0.2	U	2.2	
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.17	U	0.17	U	0.19	U	0.18	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U	0.17	U	0.16	U	0.15	U
Phenanthrene	100	100	1000	0.12		0.11	U	0.11	U	0.11	U	0.14		0.05	J	0.053	J	0.12	U	0.12	U	0.072	J
Phenol	0.33	100	0.33	0.053	J	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.19	U	0.21	U	0.2	U	0.19	U
Pyrene	100	100	1000	0.21		0.11	U	0.11	U	0.11	U	0.24		0.019	J	0.12	U	0.12	U	0.12	U	0.028	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04		L2343987-03		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																							
Aluminum, Total	--	--	--	6380		5050		6730		5700		8610		3620		4210		4020		3970		3840	
Antimony, Total	--	--	--	4.38	U	4.08	U	0.441	J	4.21	U	0.495	J	4.44	U	4.69	U	4.88	U	4.76	U	4.5	U
Arsenic, Total	13	16	16	3.93		1.38		0.981		1.18		4.66		0.684	J	0.578	J	0.921	J	0.936	J	0.487	J
Barium, Total	350	400	820	54.1		30.8		47.5		27.4		78.1		14.1		18		19.5		15.1		18.1	
Beryllium, Total	7.2	72	47	0.327	J	0.25	J	0.478		0.317	J	0.433	J	0.278	J	0.327	J	0.32	J	0.315	J	0.308	J
Cadmium, Total	2.5	4.3	7.5	0.172	J	0.817	U	0.095	J	0.092	J	0.185	J	0.095	J	0.098	J	0.108	J	0.951	U	0.901	U
Calcium, Total	--	--	--	9130		764		932		668		29200		556		486		554		683		510	
Chromium, Total*	1	180	--	11.7		8.27		9.33		8.33		16.1		7.71		7.32		8.05		7.65		7.19	
Colbalt, Total	--	--	--	4.2		2.51		3.28		3.65		5.56		4.25		3.69		3.54		3.9		3.3	
Copper, Total	50	270	1720	35.4		7.13		4.95		5.48		30.7		5.86		6.21		7.02		6.68		5.5	
Iron, Total	--	--	--	12000		6850		7370		8260		13000		7300		7530		8160		8300		6770	
Lead, Total	63	400	450	**90.3**		13.3		6.03		12.7		**122**		19.1		14.2		6.57		4.73	J	14.9	
Magnesium, Total	--	--	--	2210		1210		1500		1660		3110		1650		1890		1740		1900		1570	
Manganese, Total	1600	2000	2000	268		229		600		287		383		115		129		163		120		71.9	
Mercury, Total	0.18	0.81	0.73	**0.278**		0.064	J	0.076	U	0.06	J	**0.399**		0.077	U	0.081	U	0.093	U	0.081	U	0.08	U
Nickel, Total	30	310	130	8.98		5.54		6.28		6.4		12.6		7.7		7.77		8.2		7.56		6.76	
Potassium, Total	--	--	--	892		258		348		381		1320		552		673		541		576		597	
Selenium, Total	3.9	180	4	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.78	U	1.88	U	1.95	U	1.9	U	1.8	U
Silver, Total	2	180	8.3	0.438	U	0.408	U	0.415	U	0.421	U	0.442	U	0.444	U	0.469	U	0.488	U	0.476	U	0.45	U
Sodium, Total	--	--	--	195		45.8	J	64.2	J	65.6	J	114	J	61.3	J	67.6	J	77.4	J	91.5	J	72.8	J
Thallium, Total	--	--	--	1.75	U	1.63	U	1.66	U	1.68	U	1.77	U	1.78	U	1.88	U	1.95	U	1.9	U	0.294	J
Vanadium, Total	--	--	--	17.9		9.04		9.88		11		21.4		9.18		9.07		10.6		10.7		7.83	
Zinc, Total	109	10000	2480	105		18.8		18.1		19.9		87.7		16.5		17.9		16.8		17.8		14.9	

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-01		EP-02		EP-03		EP-04		EP-05		EP-21		EP-22		EP-23		EP-24		EP-25	
LAB SAMPLE ID				L2343822-03		L2343822-02		L2343987-06		L2343987-07		L2343822-01		L2343987-04		L2343987-03		L2343987-01		L2343987-02		L2343987-05	
DATE				7/28/2023		7/28/2023		7/31/2023		7/31/2023		7/23/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023		7/31/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		8		8		8		8		8	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																							
4,4'-DDD	0.0033	13	14	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDE	0.0033	8.9	17	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
4,4'-DDT	0.0033	7.9	136	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Aldrin	0.005	0.097	0.19	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Alpha-BHC	0.02	0.48	0.02	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Beta-BHC	0.036	0.36	0.09	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Chlordane	--	--	--	0.0149	U	0.0134	U	0.0142	U	0.0145	U	0.0144	U	0.0144	U	0.0148	U	0.0167	U	0.0165	U	0.0152	U
cis-Chlordane	0.094	4.2	2.9	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Delta-BHC	0.04	100	0.25	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00101	U	0.00106	U	0.00109	U	0.00108	U	0.00108	U	0.00111	U	0.00125	U	0.00124	U	0.00114	U
Endosulfan I	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Endosulfan II	2.4	24	102	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Endosulfan sulfate	2.4	24	1000	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Endrin	0.014	11	0.06	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Endrin aldehyde	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Endrin ketone	--	--	--	0.00178	U	0.00161	U	0.0017	U	0.00174	U	0.00173	U	0.00173	U	0.00178	U	0.002	U	0.00198	U	0.00183	U
Heptachlor	0.042	2.1	0.38	0.000893	U	0.000806	U	0.000853	U	0.00087	U	0.000866	U	0.000866	U	0.000888	U	0.001	U	0.000991	U	0.000915	U
Heptachlor epoxide	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00324	U	0.00333	U	0.00375	U	0.00372	U	0.00343	U
Lindane	0.1	1.3	0.1	0.000744	U	0.000671	U	0.000711	U	0.000725	U	0.000722	U	0.000721	U	0.00074	U	0.000834	U	0.000826	U	0.000762	U
Methoxychlor	--	--	--	0.00335	U	0.00302	U	0.0032	U	0.00326	U	0.00325	U	0.00324	U	0.00333	U	0.00375	U	0.00372	U	0.00343	U
Toxaphene	--	--	--	0.0335	U	0.0302	U	0.032	U	0.0326	U	0.0325	U	0.0324	U	0.0333	U	0.0375	U	0.0372	U	0.0343	U
trans-Chlordane	--	--	--	0.00223	U	0.00201	U	0.00213	U	0.00218	U	0.00216	U	0.00216	U	0.00222	U	0.0025	U	0.00248	U	0.00229	U
Polychlorinated Biphenyls by EPA Method 8082A																							
Aroclor 1016	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1221	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1232	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1242	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1254	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1260	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1262	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
Aroclor 1268	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U
PCBs, Total	0.1	1	3.2	0.0523	U	0.05	U	0.0534	U	0.0534	U	0.0526	U	0.0561	U	0.0562	U	0.0592	U	0.0584	U	0.0525	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit
J: Estimated value. The analyte concentration is below the reporting

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-01		EP-21	
LAB SAMPLE ID				7/28/2023		L2343987-04	
DATE				L2343822-03		7/31/2023	
SAMPLE DEPTH (ft.)				5		8	
				Results	Qual	Results	Qual
PFAS by EPA Method 537.1							
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000789	U	0.000746	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000789	U	0.000298	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000197	U	0.000186	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000197	U	0.000186	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000197	U	0.000186	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000789	U	0.000746	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000197	U	0.000186	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000197	U	0.000186	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000197	U	0.000186	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000197	U	0.000186	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000197	U	0.000186	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000197	U	0.000186	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000197	U	0.000186	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.000079	J	0.000186	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000197	U	0.000186	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000323		0.000186	U
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000173	J	0.000186	U
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000394	U	0.000373	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000197	U	0.000186	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000197	U	0.000186	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000197	U	0.000186	U
PFOA/PFOS, Total	--	--	--	0.000496	J	0.000186	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2343822
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	08/18/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2343822-01	EP-05 (5'BGS)	SOIL	BRONX, NY	07/28/23 14:05	07/28/23
L2343822-02	EP-02 (5'BGS)	SOIL	BRONX, NY	07/28/23 14:30	07/28/23
L2343822-03	EP-01 (5'BGS)	SOIL	BRONX, NY	07/28/23 15:15	07/28/23
L2343822-04	FIELD BLANK	WATER	BRONX, NY	07/28/23 15:00	07/28/23
L2343822-05	TRIP BLANK	WATER	BRONX, NY	07/28/23 15:00	07/29/23

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

Case Narrative (continued)

Report Submission

August 18, 2023: This final report includes the results of all requested analyses.

August 07, 2023: This is a preliminary report.

August 03, 2023: 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

L2343822-05: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

Semivolatile Organics

The WG1809474-2/-3 LCS/LCSD recoveries, associated with L2343822-04, are below the acceptance criteria for benzoic acid (7%/6%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L2343822-01 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.

L2343822-04: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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: Cristin Walker

Title: Technical Director/Representative Date: 08/18/23

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:05
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/01/23 17:12
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	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	2.7		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	0.33	J	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	0.60	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	0.50	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: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01 Date Collected: 07/28/23 14:05

Client ID: EP-05 (5'BGS) Date Received: 07/28/23

Sample Location: 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	0.76		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	1.3	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:05
Date Received: 07/28/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:30
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/01/23 17:38
Analyst: JIC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	1.0		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	0.35	J	ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:30
Date Received: 07/28/23
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	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:30
Date Received: 07/28/23
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	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/01/23 18:03
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	5.2	2.4	1
1,1-Dichloroethane	0.46	J	ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	1.7		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	2.2		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03 Date Collected: 07/28/23 15:15

Client ID: EP-01 (5'BGS) Date Received: 07/28/23

Sample Location: 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	0.21	J	ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 07/29/23 13:06
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04 Date Collected: 07/28/23 15:00

Client ID: FIELD BLANK Date Received: 07/28/23

Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-05
Client ID: TRIP BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/29/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/01/23 09:01
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-05 Date Collected: 07/28/23 15:00

Client ID: TRIP BLANK Date Received: 07/29/23

Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-05
Client ID: TRIP BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/29/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	123		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/29/23 09:19
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809647-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/29/23 09:19
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809647-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/29/23 09:19
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809647-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 EAST 150TH
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Lab Number: L2343822
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1810473-5					
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: SA 101 EAST 150TH
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Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1810473-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 08:17
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1810473-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	122		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 10:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1810833-5					
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: SA 101 EAST 150TH
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Lab Number: L2343822
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 10:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1810833-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/01/23 10:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1810833-5					
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

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809647-3 WG1809647-4								
Methylene chloride	91		89		70-130	2		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	95		92		70-130	3		20
Carbon tetrachloride	97		97		63-132	0		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	92		95		63-130	3		20
1,1,2-Trichloroethane	100		110		70-130	10		20
Tetrachloroethene	98		99		70-130	1		20
Chlorobenzene	97		96		75-130	1		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	97		99		70-130	2		20
1,1,1-Trichloroethane	96		95		67-130	1		20
Bromodichloromethane	94		94		67-130	0		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	96		96		70-130	0		20
1,1-Dichloropropene	100		99		70-130	1		20
Bromoform	88		94		54-136	7		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	100		98		70-130	2		20
Toluene	100		98		70-130	2		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	99		95		64-130	4		20
Bromomethane	88		85		39-139	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809647-3 WG1809647-4								
Vinyl chloride	120		110		55-140	9		20
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	98		96		61-145	2		20
trans-1,2-Dichloroethene	96		94		70-130	2		20
Trichloroethene	94		92		70-130	2		20
1,2-Dichlorobenzene	96		96		70-130	0		20
1,3-Dichlorobenzene	98		96		70-130	2		20
1,4-Dichlorobenzene	96		96		70-130	0		20
Methyl tert butyl ether	96		100		63-130	4		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	95		93		70-130	2		20
Dibromomethane	96		96		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	110		110		70-130	0		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	100		97		36-147	3		20
Acetone	120		120		58-148	0		20
Carbon disulfide	100		95		51-130	5		20
2-Butanone	110		100		63-138	10		20
Vinyl acetate	**160**	Q	**160**	Q	70-130	0		20
4-Methyl-2-pentanone	99		120		59-130	19		20
2-Hexanone	100		110		57-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809647-3 WG1809647-4								
Bromochloromethane	94		96		70-130	2		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	95		99		70-130	4		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	95		96		64-130	1		20
Bromobenzene	92		94		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	99		98		70-130	1		20
o-Chlorotoluene	100		97		70-130	3		20
p-Chlorotoluene	97		95		70-130	2		20
1,2-Dibromo-3-chloropropane	91		100		41-144	9		20
Hexachlorobutadiene	94		98		63-130	4		20
Isopropylbenzene	100		99		70-130	1		20
p-Isopropyltoluene	99		100		70-130	1		20
Naphthalene	94		96		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	90		95		70-130	5		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	100		98		64-130	2		20
1,2,4-Trimethylbenzene	99		98		70-130	1		20
1,4-Dioxane	144		158		56-162	9		20
p-Diethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809647-3 WG1809647-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	96		97		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		108		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	94		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1810473-3 WG1810473-4								
Methylene chloride	110		110		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	120		120		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	99		93		63-130	6		20
1,1,2-Trichloroethane	94		91		70-130	3		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		97		75-130	3		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	94		88		70-130	7		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	92		88		54-136	4		20
1,1,2,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	120		110		70-130	9		20
Toluene	100		94		70-130	6		20
Ethylbenzene	100		93		70-130	7		20
Chloromethane	110		110		64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1810473-3 WG1810473-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	97		93		70-130	4		20
1,3-Dichlorobenzene	100		93		70-130	7		20
1,4-Dichlorobenzene	100		93		70-130	7		20
Methyl tert butyl ether	97		99		63-130	2		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	83		84		64-130	1		20
Acrylonitrile	100		110		70-130	10		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	98		98		36-147	0		20
Acetone	95		99		58-148	4		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	92		100		63-138	8		20
Vinyl acetate	**150**	Q	**150**	Q	70-130	0		20
4-Methyl-2-pentanone	80		85		59-130	6		20
2-Hexanone	71		79		57-130	11		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1810473-3 WG1810473-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	97		92		70-130	5		20
1,3-Dichloropropane	96		90		70-130	6		20
1,1,1,2-Tetrachloroethane	100		96		64-130	4		20
Bromobenzene	98		93		70-130	5		20
n-Butylbenzene	98		89		53-136	10		20
sec-Butylbenzene	95		89		70-130	7		20
tert-Butylbenzene	95		88		70-130	8		20
o-Chlorotoluene	96		88		70-130	9		20
p-Chlorotoluene	96		90		70-130	6		20
1,2-Dibromo-3-chloropropane	85		89		41-144	5		20
Hexachlorobutadiene	110		95		63-130	15		20
Isopropylbenzene	94		88		70-130	7		20
p-Isopropyltoluene	96		89		70-130	8		20
Naphthalene	85		86		70-130	1		20
n-Propylbenzene	95		88		69-130	8		20
1,2,3-Trichlorobenzene	100		98		70-130	2		20
1,2,4-Trichlorobenzene	100		97		70-130	3		20
1,3,5-Trimethylbenzene	96		89		64-130	8		20
1,2,4-Trimethylbenzene	96		89		70-130	8		20
1,4-Dioxane	96		106		56-162	10		20
p-Diethylbenzene	96		88		70-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1810473-3 WG1810473-4								
p-Ethyltoluene	96		89		70-130	8		20
1,2,4,5-Tetramethylbenzene	96		88		70-130	9		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	84		86		70-130	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		109		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	88		88		70-130
Dibromofluoromethane	110		114		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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: WG1810833-3 WG1810833-4								
Methylene chloride	78		76		70-130	3		30
1,1-Dichloroethane	87		85		70-130	2		30
Chloroform	88		86		70-130	2		30
Carbon tetrachloride	86		84		70-130	2		30
1,2-Dichloropropane	88		86		70-130	2		30
Dibromochloromethane	88		85		70-130	3		30
1,1,2-Trichloroethane	85		83		70-130	2		30
Tetrachloroethene	90		85		70-130	6		30
Chlorobenzene	88		84		70-130	5		30
Trichlorofluoromethane	84		81		70-139	4		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	90		88		70-130	2		30
Bromodichloromethane	88		88		70-130	0		30
trans-1,3-Dichloropropene	88		84		70-130	5		30
cis-1,3-Dichloropropene	90		87		70-130	3		30
1,1-Dichloropropene	91		89		70-130	2		30
Bromoform	79		78		70-130	1		30
1,1,2,2-Tetrachloroethane	86		85		70-130	1		30
Benzene	85		82		70-130	4		30
Toluene	83		80		70-130	4		30
Ethylbenzene	84		80		70-130	5		30
Chloromethane	73		70		52-130	4		30
Bromomethane	97		93		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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: WG1810833-3 WG1810833-4								
Vinyl chloride	76		73		67-130	4		30
Chloroethane	78		75		50-151	4		30
1,1-Dichloroethene	84		80		65-135	5		30
trans-1,2-Dichloroethene	84		82		70-130	2		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	87		83		70-130	5		30
1,3-Dichlorobenzene	87		84		70-130	4		30
1,4-Dichlorobenzene	86		83		70-130	4		30
Methyl tert butyl ether	86		85		66-130	1		30
p/m-Xylene	85		81		70-130	5		30
o-Xylene	86		82		70-130	5		30
cis-1,2-Dichloroethene	86		83		70-130	4		30
Dibromomethane	90		88		70-130	2		30
Styrene	83		80		70-130	4		30
Dichlorodifluoromethane	54		52		30-146	4		30
Acetone	76		78		54-140	3		30
Carbon disulfide	74		72		59-130	3		30
2-Butanone	78		82		70-130	5		30
Vinyl acetate	89		85		70-130	5		30
4-Methyl-2-pentanone	82		84		70-130	2		30
1,2,3-Trichloropropane	83		82		68-130	1		30
2-Hexanone	79		78		70-130	1		30
Bromochloromethane	87		85		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1810833-3 WG1810833-4								
2,2-Dichloropropane	88		85		70-130	3		30
1,2-Dibromoethane	90		89		70-130	1		30
1,3-Dichloropropane	88		85		69-130	3		30
1,1,1,2-Tetrachloroethane	89		86		70-130	3		30
Bromobenzene	85		83		70-130	2		30
n-Butylbenzene	90		85		70-130	6		30
sec-Butylbenzene	87		83		70-130	5		30
tert-Butylbenzene	86		82		70-130	5		30
o-Chlorotoluene	85		82		70-130	4		30
p-Chlorotoluene	86		83		70-130	4		30
1,2-Dibromo-3-chloropropane	75		78		68-130	4		30
Hexachlorobutadiene	82		79		67-130	4		30
Isopropylbenzene	85		82		70-130	4		30
p-Isopropyltoluene	88		84		70-130	5		30
Naphthalene	87		86		70-130	1		30
Acrylonitrile	87		88		70-130	1		30
n-Propylbenzene	86		82		70-130	5		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	88		84		70-130	5		30
1,3,5-Trimethylbenzene	86		83		70-130	4		30
1,2,4-Trimethylbenzene	86		83		70-130	4		30
1,4-Dioxane	95		97		65-136	2		30
p-Diethylbenzene	90		85		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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: WG1810833-3 WG1810833-4								
p-Ethyltoluene	87		83		70-130	5		30
1,2,4,5-Tetramethylbenzene	90		86		70-130	5		30
Ethyl ether	86		85		67-130	1		30
trans-1,4-Dichloro-2-butene	90		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	102		104		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:05
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/31/23 16:05
Analyst: JG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:36

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	32.	1
Fluoranthene	270		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	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	67	J	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	62.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01 Date Collected: 07/28/23 14:05

Client ID: EP-05 (5'BGS) Date Received: 07/28/23

Sample Location: 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	21.	1
Benzo(a)pyrene	180		ug/kg	150	45.	1
Benzo(b)fluoranthene	210		ug/kg	110	31.	1
Benzo(k)fluoranthene	66	J	ug/kg	110	29.	1
Chrysene	140		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	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	140		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	27	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	150	26.	1
Pyrene	240		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	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	160	30.	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	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:05
Date Received: 07/28/23
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	28	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	91		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	112		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	83		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:30
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/31/23 16:28
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:36

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	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		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	60.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02 Date Collected: 07/28/23 14:30

Client ID: EP-02 (5'BGS) Date Received: 07/28/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		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	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	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	380	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:30
Date Received: 07/28/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	106		10-120
Nitrobenzene-d5	118		23-120
2-Fluorobiphenyl	96		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	91		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/31/23 16:51
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:36

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	230		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	38	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	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: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03 Date Collected: 07/28/23 15:15

Client ID: EP-01 (5'BGS) Date Received: 07/28/23

Sample Location: 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	130		ug/kg	110	21.	1
Benzo(a)pyrene	180		ug/kg	150	46.	1
Benzo(b)fluoranthene	200		ug/kg	110	32.	1
Benzo(k)fluoranthene	45	J	ug/kg	110	30.	1
Chrysene	120		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	120	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	120		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	29	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	26.	1
Pyrene	210		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	53	J	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:15
Date Received: 07/28/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	97		10-120
Nitrobenzene-d5	113		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	72		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/03/23 17:55
Analyst: LMV
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 07/31/23 11:51
Cleanup Method: EPA 1633
Cleanup Date: 07/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.789	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.394	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.197	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.197	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.197	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.197	0.058	1
Perfluorooctanoic Acid (PFOA)	0.173	J	ng/g	0.197	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.789	0.276	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.197	0.036	1
Perfluorononanoic Acid (PFNA)	0.079	J	ng/g	0.197	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.323		ng/g	0.197	0.078	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.197	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.789	0.382	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.197	0.099	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.197	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.197	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.197	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.197	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.197	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.197	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.197	0.105	1
PFOA/PFOS, Total	0.496	J	ng/g	0.197	0.051	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03 Date Collected: 07/28/23 15:15

Client ID: EP-01 (5'BGS) Date Received: 07/28/23

Sample Location: 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)	63		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	61		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	61		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	63		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	60		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	63		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	57		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	70		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	58		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	64		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	63		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	83		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	66		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	73		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	53		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	62		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/01/23 12:50
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 07:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	52		10-120
4-Terphenyl-d14	64		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/23 09:06
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
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	50		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	74		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/02/23 15:42
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 11:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	163	36.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	31		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/06/23 05:19
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 08/01/23 06:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.93	0.949	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.96	0.793	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.48	0.496	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.48	0.437	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.48	0.296	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.48	0.356	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.48	0.645	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.93	2.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.48	0.400	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.48	0.467	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.48	0.674	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.600	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.93	2.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.808	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.645	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.341	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.400	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.800	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.682	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.556	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.393	1
PFOA/PFOS, Total	ND		ng/l	1.48	0.645	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
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)	92		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	98		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	95		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	93		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	91		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	73		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/29/23 09:55
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/28/23 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1809219-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/29/23 09:55
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/28/23 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1809219-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/29/23 09:55
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 07/28/23 19:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1809219-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	75		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/01/23 11:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 07:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809474-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/01/23 11:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 07:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809474-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/01/23 11:40
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 07:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04 Batch: WG1809474-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	54		10-120
4-Terphenyl-d14	59		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/23 08:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG1809476-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/31/23 08:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 08:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 04 Batch: WG1809476-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	74		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/03/23 11:46
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 07/31/23 11:20
Cleanup Method: EPA 1633
Cleanup Date: 07/31/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1809817-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/03/23 11:46
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 07/31/23 11:20
Cleanup Method: EPA 1633
Cleanup Date: 07/31/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1809817-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	71		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	70		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	67		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	70		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	73		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	71		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	72		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	64		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	58		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	48		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/06/23 04:01
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 08/01/23 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1810109-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/06/23 04:01
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 08/01/23 05:19

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1810109-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	93		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	91		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	82		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	59		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	86		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	67		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/02/23 14:42
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 11:20

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 04 Batch: WG1810835-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	32		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809219-2 WG1809219-3								
Acenaphthene	56		72		31-137	25		50
1,2,4-Trichlorobenzene	58		73		38-107	23		50
Hexachlorobenzene	54		73		40-140	30		50
Bis(2-chloroethyl)ether	60		78		40-140	26		50
2-Chloronaphthalene	58		76		40-140	27		50
1,2-Dichlorobenzene	57		73		40-140	25		50
1,3-Dichlorobenzene	56		72		40-140	25		50
1,4-Dichlorobenzene	57		72		28-104	23		50
3,3'-Dichlorobenzidine	49		63		40-140	25		50
2,4-Dinitrotoluene	64		85		40-132	28		50
2,6-Dinitrotoluene	62		81		40-140	27		50
Fluoranthene	56		73		40-140	26		50
4-Chlorophenyl phenyl ether	57		75		40-140	27		50
4-Bromophenyl phenyl ether	56		75		40-140	29		50
Bis(2-chloroisopropyl)ether	63		80		40-140	24		50
Bis(2-chloroethoxy)methane	62		80		40-117	25		50
Hexachlorobutadiene	60		79		40-140	27		50
Hexachlorocyclopentadiene	53		71		40-140	29		50
Hexachloroethane	57		76		40-140	29		50
Isophorone	62		81		40-140	27		50
Naphthalene	58		76		40-140	27		50
Nitrobenzene	63		81		40-140	25		50
NDPA/DPA	58		78		36-157	29		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809219-2 WG1809219-3								
n-Nitrosodi-n-propylamine	65		83		32-121	24		50
Bis(2-ethylhexyl)phthalate	71		96		40-140	30		50
Butyl benzyl phthalate	62		85		40-140	31		50
Di-n-butylphthalate	65		86		40-140	28		50
Di-n-octylphthalate	73		97		40-140	28		50
Diethyl phthalate	61		82		40-140	29		50
Dimethyl phthalate	59		77		40-140	26		50
Benzo(a)anthracene	60		76		40-140	24		50
Benzo(a)pyrene	71		87		40-140	20		50
Benzo(b)fluoranthene	60		77		40-140	25		50
Benzo(k)fluoranthene	62		82		40-140	28		50
Chrysene	61		77		40-140	23		50
Acenaphthylene	59		77		40-140	26		50
Anthracene	61		79		40-140	26		50
Benzo(ghi)perylene	66		83		40-140	23		50
Fluorene	57		75		40-140	27		50
Phenanthrene	59		75		40-140	24		50
Dibenzo(a,h)anthracene	64		82		40-140	25		50
Indeno(1,2,3-cd)pyrene	66		84		40-140	24		50
Pyrene	56		74		35-142	28		50
Biphenyl	64		82		37-127	25		50
4-Chloroaniline	50		62		40-140	21		50
2-Nitroaniline	65		86		47-134	28		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809219-2 WG1809219-3								
3-Nitroaniline	53		67		26-129	23		50
4-Nitroaniline	57		79		41-125	32		50
Dibenzofuran	59		78		40-140	28		50
2-Methylnaphthalene	60		77		40-140	25		50
1,2,4,5-Tetrachlorobenzene	62		80		40-117	25		50
Acetophenone	66		84		14-144	24		50
2,4,6-Trichlorophenol	60		80		30-130	29		50
p-Chloro-m-cresol	64		84		26-103	27		50
2-Chlorophenol	62		79		25-102	24		50
2,4-Dichlorophenol	64		82		30-130	25		50
2,4-Dimethylphenol	62		80		30-130	25		50
2-Nitrophenol	70		91		30-130	26		50
4-Nitrophenol	62		81		11-114	27		50
2,4-Dinitrophenol	35		50		4-130	35		50
4,6-Dinitro-o-cresol	63		85		10-130	30		50
Pentachlorophenol	46		64		17-109	33		50
Phenol	68		86		26-90	23		50
2-Methylphenol	64		81		30-130.	23		50
3-Methylphenol/4-Methylphenol	64		79		30-130	21		50
2,4,5-Trichlorophenol	61		81		30-130	28		50
Benzoic Acid	24		28		10-110	15		50
Benzyl Alcohol	67		88		40-140	27		50
Carbazole	59		76		54-128	25		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809219-2 WG1809219-3								
1,4-Dioxane	47		60		40-140	24		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		78		25-120
Phenol-d6	66		83		10-120
Nitrobenzene-d5	66		82		23-120
2-Fluorobiphenyl	60		78		30-120
2,4,6-Tribromophenol	60		77		10-136
4-Terphenyl-d14	57		75		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809474-2 WG1809474-3								
Acenaphthene	50		67		37-111	29		30
1,2,4-Trichlorobenzene	44		61		39-98	**32**	Q	30
Hexachlorobenzene	48		62		40-140	25		30
Bis(2-chloroethyl)ether	46		62		40-140	30		30
2-Chloronaphthalene	46		62		40-140	30		30
1,2-Dichlorobenzene	43		62		40-140	**36**	Q	30
1,3-Dichlorobenzene	44		62		40-140	**34**	Q	30
1,4-Dichlorobenzene	44		62		36-97	**34**	Q	30
3,3'-Dichlorobenzidine	45		51		40-140	13		30
2,4-Dinitrotoluene	50		64		48-143	25		30
2,6-Dinitrotoluene	44		56		40-140	24		30
Fluoranthene	56		70		40-140	22		30
4-Chlorophenyl phenyl ether	50		66		40-140	28		30
4-Bromophenyl phenyl ether	51		64		40-140	23		30
Bis(2-chloroisopropyl)ether	45		62		40-140	**32**	Q	30
Bis(2-chloroethoxy)methane	45		60		40-140	29		30
Hexachlorobutadiene	50		70		40-140	**33**	Q	30
Hexachlorocyclopentadiene	42		57		40-140	30		30
Hexachloroethane	45		64		40-140	**35**	Q	30
Isophorone	44		60		40-140	**31**	Q	30
Naphthalene	47		65		40-140	**32**	Q	30
Nitrobenzene	46		62		40-140	30		30
NDPA/DPA	52		67		40-140	25		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809474-2 WG1809474-3								
n-Nitrosodi-n-propylamine	45		61		29-132	30		30
Bis(2-ethylhexyl)phthalate	61		80		40-140	27		30
Butyl benzyl phthalate	56		70		40-140	22		30
Di-n-butylphthalate	57		74		40-140	26		30
Di-n-octylphthalate	63		78		40-140	21		30
Diethyl phthalate	53		68		40-140	25		30
Dimethyl phthalate	44		58		40-140	27		30
Benzo(a)anthracene	59		73		40-140	21		30
Benzo(a)pyrene	64		76		40-140	17		30
Benzo(b)fluoranthene	58		70		40-140	19		30
Benzo(k)fluoranthene	60		73		40-140	20		30
Chrysene	60		76		40-140	24		30
Acenaphthylene	46		61		45-123	28		30
Anthracene	58		74		40-140	24		30
Benzo(ghi)perylene	65		77		40-140	17		30
Fluorene	52		67		40-140	25		30
Phenanthrene	57		73		40-140	25		30
Dibenzo(a,h)anthracene	62		75		40-140	19		30
Indeno(1,2,3-cd)pyrene	62		72		40-140	15		30
Pyrene	56		70		26-127	22		30
Biphenyl	48		66		40-140	**32**	Q	30
4-Chloroaniline	54		60		40-140	11		30
2-Nitroaniline	**45**	Q	60		52-143	29		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809474-2 WG1809474-3								
3-Nitroaniline	51		57		25-145	11		30
4-Nitroaniline	**50**	Q	61		51-143	20		30
Dibenzofuran	53		69		40-140	26		30
2-Methylnaphthalene	49		66		40-140	30		30
1,2,4,5-Tetrachlorobenzene	48		66		2-134	**32**	Q	30
Acetophenone	48		64		39-129	29		30
2,4,6-Trichlorophenol	48		65		30-130	30		30
p-Chloro-m-cresol	52		67		23-97	25		30
2-Chlorophenol	48		64		27-123	29		30
2,4-Dichlorophenol	48		64		30-130	29		30
2,4-Dimethylphenol	44		65		30-130	**39**	Q	30
2-Nitrophenol	43		59		30-130	**31**	Q	30
4-Nitrophenol	54		65		10-80	18		30
2,4-Dinitrophenol	34		40		20-130	16		30
4,6-Dinitro-o-cresol	47		59		20-164	23		30
Pentachlorophenol	42		58		9-103	**32**	Q	30
Phenol	41		54		12-110	27		30
2-Methylphenol	48		63		30-130	27		30
3-Methylphenol/4-Methylphenol	51		67		30-130	27		30
2,4,5-Trichlorophenol	48		62		30-130	25		30
Benzoic Acid	**7**	Q	**6**	Q	10-164	3		30
Benzyl Alcohol	50		65		26-116	26		30
Carbazole	58		72		55-144	22		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04 Batch: WG1809474-2 WG1809474-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		56		21-120
Phenol-d6	37		47		10-120
Nitrobenzene-d5	43		59		23-120
2-Fluorobiphenyl	44		58		15-120
2,4,6-Tribromophenol	47		61		10-120
4-Terphenyl-d14	50		61		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04 Batch: WG1809476-2 WG1809476-3								
Acenaphthene	52		62		40-140	18		40
2-Chloronaphthalene	54		70		40-140	26		40
Fluoranthene	61		73		40-140	18		40
Hexachlorobutadiene	52		68		40-140	27		40
Naphthalene	47		61		40-140	26		40
Benzo(a)anthracene	62		72		40-140	15		40
Benzo(a)pyrene	67		78		40-140	15		40
Benzo(b)fluoranthene	63		73		40-140	15		40
Benzo(k)fluoranthene	67		80		40-140	18		40
Chrysene	62		71		40-140	14		40
Acenaphthylene	57		72		40-140	23		40
Anthracene	56		69		40-140	21		40
Benzo(ghi)perylene	60		68		40-140	13		40
Fluorene	56		68		40-140	19		40
Phenanthrene	53		65		40-140	20		40
Dibenzo(a,h)anthracene	62		70		40-140	12		40
Indeno(1,2,3-cd)pyrene	57		66		40-140	15		40
Pyrene	62		71		40-140	14		40
2-Methylnaphthalene	53		67		40-140	23		40
Pentachlorophenol	69		86		40-140	22		40
Hexachlorobenzene	64		76		40-140	17		40
Hexachloroethane	43		57		40-140	28		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 04 Batch: WG1809476-2 WG1809476-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		53		21-120
Phenol-d6	39		47		10-120
Nitrobenzene-d5	49		65		23-120
2-Fluorobiphenyl	52		66		15-120
2,4,6-Tribromophenol	77		94		10-120
4-Terphenyl-d14	58		68		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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): 03 Batch: WG1809817-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	124		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	116		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	144		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	130		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	128		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	130		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	100		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	120		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	132		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	106		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	112		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	135		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	115		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	102		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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): 03 Batch: WG1809817-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	77				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	69				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	67				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	73				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	61				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1809817-3								
Perfluorobutanoic Acid (PFBA)	119		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	119		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	137		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	134		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	135		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	116		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	130		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	125		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	128		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	118		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	130		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	121		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	110		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	113		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	126		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	118		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	108		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1809817-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	77				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	64				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	60				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	75				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	69				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	68				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	75				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	70				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	55				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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): 04 Batch: WG1810109-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	109		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	109		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	110		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	122		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	128		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	128		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	92		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	120		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	120		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	105		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	135		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	115		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	105		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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): 04 Batch: WG1810109-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	83				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	86				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	76				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1810109-3								
Perfluorobutanoic Acid (PFBA)	103		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	110		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	128		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	116		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	114		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	126		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	109		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	112		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	117		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	100		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	90		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1810109-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	99				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	99				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	103				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	70				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 04 Batch: WG1810835-2 WG1810835-3								
1,4-Dioxane	138		140		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	31		33		15-110

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1810835-4 QC Sample: L2343822-04 Client ID: FIELD BLANK						
1,4-Dioxane	ND	ND	ng/l	NC		30

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	31		36		15-110

PCBS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:05
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/30/23 13:18
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 15:32
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

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	7.09	1	A
Aroclor 1248	ND		ug/kg	52.6	7.89	1	A
Aroclor 1254	ND		ug/kg	52.6	5.75	1	A
Aroclor 1260	ND		ug/kg	52.6	9.72	1	A
Aroclor 1262	ND		ug/kg	52.6	6.68	1	A
Aroclor 1268	ND		ug/kg	52.6	5.45	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	59		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:30
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/30/23 15:50
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 15:32
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.0	4.44	1	A
Aroclor 1221	ND		ug/kg	50.0	5.01	1	A
Aroclor 1232	ND		ug/kg	50.0	10.6	1	A
Aroclor 1242	ND		ug/kg	50.0	6.75	1	A
Aroclor 1248	ND		ug/kg	50.0	7.51	1	A
Aroclor 1254	ND		ug/kg	50.0	5.47	1	A
Aroclor 1260	ND		ug/kg	50.0	9.25	1	A
Aroclor 1262	ND		ug/kg	50.0	6.36	1	A
Aroclor 1268	ND		ug/kg	50.0	5.18	1	A
PCBs, Total	ND		ug/kg	50.0	4.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/31/23 07:54
Analyst: ENT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 15:32
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/31/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.3	4.65	1	A
Aroclor 1221	ND		ug/kg	52.3	5.24	1	A
Aroclor 1232	ND		ug/kg	52.3	11.1	1	A
Aroclor 1242	ND		ug/kg	52.3	7.06	1	A
Aroclor 1248	ND		ug/kg	52.3	7.85	1	A
Aroclor 1254	ND		ug/kg	52.3	5.73	1	A
Aroclor 1260	ND		ug/kg	52.3	9.67	1	A
Aroclor 1262	ND		ug/kg	52.3	6.65	1	A
Aroclor 1268	ND		ug/kg	52.3	5.42	1	A
PCBs, Total	ND		ug/kg	52.3	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/31/23 08:17
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 19:00
Cleanup Method: EPA 3665A
Cleanup Date: 07/31/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/31/23

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	88		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/30/23 10:10
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 07/29/23 01:41
Cleanup Method: EPA 3665A
Cleanup Date: 07/29/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/29/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1809256-1						
Aroclor 1016	ND		ug/kg	46.9	4.16	A
Aroclor 1221	ND		ug/kg	46.9	4.70	A
Aroclor 1232	ND		ug/kg	46.9	9.93	A
Aroclor 1242	ND		ug/kg	46.9	6.32	A
Aroclor 1248	ND		ug/kg	46.9	7.03	A
Aroclor 1254	ND		ug/kg	46.9	5.13	A
Aroclor 1260	ND		ug/kg	46.9	8.66	A
Aroclor 1262	ND		ug/kg	46.9	5.95	A
Aroclor 1268	ND		ug/kg	46.9	4.85	A
PCBs, Total	ND		ug/kg	46.9	4.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/31/23 08:51
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 07/29/23 23:55
Cleanup Method: EPA 3665A
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG1809458-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809256-2 WG1809256-3									
Aroclor 1016	91		88		40-140	3		50	A
Aroclor 1260	74		72		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		82		30-150	A
Decachlorobiphenyl	64		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		76		30-150	B
Decachlorobiphenyl	65		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG1809458-2 WG1809458-3									
Aroclor 1016	77		74		40-140	4		50	A
Aroclor 1260	67		65		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	A
Decachlorobiphenyl	82		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		62		30-150	B
Decachlorobiphenyl	76		75		30-150	B

PESTICIDES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:05
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/23 14:21
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:39
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

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	0.722	0.322	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01 Date Collected: 07/28/23 14:05

Client ID: EP-05 (5'BGS) Date Received: 07/28/23

Sample Location: 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	72		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:30
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/23 14:33
Analyst: MMG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:39
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.61	0.316	1	A
Lindane	ND		ug/kg	0.671	0.300	1	A
Alpha-BHC	ND		ug/kg	0.671	0.191	1	A
Beta-BHC	ND		ug/kg	1.61	0.611	1	A
Heptachlor	ND		ug/kg	0.806	0.361	1	A
Aldrin	ND		ug/kg	1.61	0.567	1	A
Heptachlor epoxide	ND		ug/kg	3.02	0.906	1	A
Endrin	ND		ug/kg	0.671	0.275	1	A
Endrin aldehyde	ND		ug/kg	2.01	0.705	1	A
Endrin ketone	ND		ug/kg	1.61	0.415	1	A
Dieldrin	ND		ug/kg	1.01	0.504	1	A
4,4'-DDE	ND		ug/kg	1.61	0.373	1	A
4,4'-DDD	ND		ug/kg	1.61	0.575	1	A
4,4'-DDT	ND		ug/kg	1.61	1.30	1	A
Endosulfan I	ND		ug/kg	1.61	0.381	1	A
Endosulfan II	ND		ug/kg	1.61	0.538	1	A
Endosulfan sulfate	ND		ug/kg	0.671	0.320	1	A
Methoxychlor	ND		ug/kg	3.02	0.940	1	A
Toxaphene	ND		ug/kg	30.2	8.46	1	A
cis-Chlordane	ND		ug/kg	2.01	0.561	1	A
trans-Chlordane	ND		ug/kg	2.01	0.532	1	A
Chlordane	ND		ug/kg	13.4	5.34	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02 Date Collected: 07/28/23 14:30

Client ID: EP-02 (5'BGS) Date Received: 07/28/23

Sample Location: 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	73		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:15
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/30/23 14:45
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 07/29/23 21:39
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.350	1	A
Lindane	ND		ug/kg	0.744	0.332	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.781	1	A
Endrin ketone	ND		ug/kg	1.78	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.78	0.413	1	A
4,4'-DDD	ND		ug/kg	1.78	0.637	1	A
4,4'-DDT	ND		ug/kg	1.78	1.44	1	A
Endosulfan I	ND		ug/kg	1.78	0.422	1	A
Endosulfan II	ND		ug/kg	1.78	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.37	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.9	5.91	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03 Date Collected: 07/28/23 15:15

Client ID: EP-01 (5'BGS) Date Received: 07/28/23

Sample Location: 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	78		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:00
Date Received: 07/28/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/30/23 17:33
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 10:50

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: SA 101 EAST 150TH **Lab Number:** L2343822

Project Number: 41.0163097.00 **Report Date:** 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04 Date Collected: 07/28/23 15:00

Client ID: FIELD BLANK Date Received: 07/28/23

Sample Location: 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	41		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	41		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/23 13:21
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 07/29/23 09:29
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1809335-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.642	0.287	A
Alpha-BHC	ND		ug/kg	0.642	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.584	A
Heptachlor	ND		ug/kg	0.770	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.89	0.866	A
Endrin	ND		ug/kg	0.642	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.674	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.963	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.642	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.898	A
Toxaphene	ND		ug/kg	28.9	8.09	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.8	5.10	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/23 13:21
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 07/29/23 09:29
Cleanup Method: EPA 3620B
Cleanup Date: 07/30/23
Cleanup Method: EPA 3660B
Cleanup Date: 07/30/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1809335-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/23 16:57
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1809511-1						
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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/30/23 16:57
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 07/30/23 10:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04 Batch: WG1809511-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	34		30-150	A
Decachlorobiphenyl	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	33		30-150	B
Decachlorobiphenyl	39		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809335-2 WG1809335-3									
Delta-BHC	101		82		30-150	21		30	A
Lindane	94		77		30-150	20		30	A
Alpha-BHC	94		77		30-150	20		30	A
Beta-BHC	100		82		30-150	20		30	A
Heptachlor	97		78		30-150	22		30	A
Aldrin	95		76		30-150	22		30	A
Heptachlor epoxide	85		67		30-150	24		30	A
Endrin	100		80		30-150	22		30	A
Endrin aldehyde	68		56		30-150	19		30	A
Endrin ketone	96		79		30-150	19		30	A
Dieldrin	101		81		30-150	22		30	A
4,4'-DDE	98		78		30-150	23		30	A
4,4'-DDD	107		86		30-150	22		30	A
4,4'-DDT	109		86		30-150	24		30	A
Endosulfan I	94		75		30-150	22		30	A
Endosulfan II	98		79		30-150	21		30	A
Endosulfan sulfate	73		59		30-150	21		30	A
Methoxychlor	108		88		30-150	20		30	A
cis-Chlordane	86		69		30-150	22		30	A
trans-Chlordane	102		82		30-150	22		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

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: WG1809335-2 WG1809335-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		64		30-150	A
Decachlorobiphenyl	105		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		64		30-150	B
Decachlorobiphenyl	100		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG1809511-2 WG1809511-3									
Delta-BHC	50		35		30-150	**35**	Q	20	A
Lindane	47		33		30-150	**34**	Q	20	A
Alpha-BHC	49		35		30-150	**34**	Q	20	A
Beta-BHC	50		36		30-150	**34**	Q	20	A
Heptachlor	50		36		30-150	**32**	Q	20	A
Aldrin	46		33		30-150	**32**	Q	20	A
Heptachlor epoxide	47		35		30-150	**30**	Q	20	A
Endrin	48		36		30-150	**30**	Q	20	A
Endrin aldehyde	43		33		30-150	**25**	Q	20	A
Endrin ketone	53		41		30-150	**26**	Q	20	A
Dieldrin	50		38		30-150	**29**	Q	20	A
4,4'-DDE	48		36		30-150	**29**	Q	20	A
4,4'-DDD	53		40		30-150	**29**	Q	20	A
4,4'-DDT	54		41		30-150	**28**	Q	20	A
Endosulfan I	48		35		30-150	**30**	Q	20	A
Endosulfan II	50		37		30-150	**29**	Q	20	A
Endosulfan sulfate	48		36		30-150	**28**	Q	20	A
Methoxychlor	59		45		30-150	**26**	Q	20	A
cis-Chlordane	44		33		30-150	**29**	Q	20	A
trans-Chlordane	52		38		30-150	**30**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04 Batch: WG1809511-2 WG1809511-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	43		**29**	Q	30-150	A
Decachlorobiphenyl	57		43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	42		**29**	Q	30-150	B
Decachlorobiphenyl	52		39		30-150	B

METALS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:05
Date Received: 07/28/23
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	8610		mg/kg	8.83	2.38	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Antimony, Total	0.495	J	mg/kg	4.42	0.336	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Arsenic, Total	4.66		mg/kg	0.883	0.184	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Barium, Total	78.1		mg/kg	0.883	0.154	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.433	J	mg/kg	0.442	0.029	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.185	J	mg/kg	0.883	0.087	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Calcium, Total	29200		mg/kg	8.83	3.09	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Chromium, Total	16.1		mg/kg	0.883	0.085	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Cobalt, Total	5.56		mg/kg	1.77	0.147	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Copper, Total	30.7		mg/kg	0.883	0.228	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Iron, Total	13000		mg/kg	4.42	0.797	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Lead, Total	122		mg/kg	4.42	0.237	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Magnesium, Total	3110		mg/kg	8.83	1.36	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Manganese, Total	383		mg/kg	0.883	0.140	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Mercury, Total	0.399		mg/kg	0.085	0.056	1	07/31/23 13:43	08/02/23 01:12	EPA 7471B	1,7471B	MJR
Nickel, Total	12.6		mg/kg	2.21	0.214	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Potassium, Total	1320		mg/kg	221	12.7	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.77	0.228	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.442	0.250	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Sodium, Total	114	J	mg/kg	177	2.78	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.77	0.278	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Vanadium, Total	21.4		mg/kg	0.883	0.179	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW
Zinc, Total	87.7		mg/kg	4.42	0.259	2	07/31/23 13:09	08/01/23 19:13	EPA 3050B	1,6010D	AMW

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 14:30
Date Received: 07/28/23
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	5050		mg/kg	8.17	2.21	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.08	0.310	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Arsenic, Total	1.38		mg/kg	0.817	0.170	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Barium, Total	30.8		mg/kg	0.817	0.142	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.250	J	mg/kg	0.408	0.027	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.817	0.080	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Calcium, Total	764		mg/kg	8.17	2.86	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Chromium, Total	8.27		mg/kg	0.817	0.078	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Cobalt, Total	2.51		mg/kg	1.63	0.136	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Copper, Total	7.13		mg/kg	0.817	0.211	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Iron, Total	6850		mg/kg	4.08	0.738	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Lead, Total	13.3		mg/kg	4.08	0.219	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Magnesium, Total	1210		mg/kg	8.17	1.26	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Manganese, Total	229		mg/kg	0.817	0.130	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Mercury, Total	0.064	J	mg/kg	0.072	0.047	1	07/31/23 13:43	08/02/23 01:15	EPA 7471B	1,7471B	MJR
Nickel, Total	5.54		mg/kg	2.04	0.198	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Potassium, Total	258		mg/kg	204	11.8	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.63	0.211	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.408	0.231	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Sodium, Total	45.8	J	mg/kg	163	2.57	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.63	0.257	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Vanadium, Total	9.04		mg/kg	0.817	0.166	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW
Zinc, Total	18.8		mg/kg	4.08	0.239	2	07/31/23 13:09	08/01/23 19:17	EPA 3050B	1,6010D	AMW

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:15
Date Received: 07/28/23
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	6380		mg/kg	8.75	2.36	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.38	0.333	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Arsenic, Total	3.93		mg/kg	0.875	0.182	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Barium, Total	54.1		mg/kg	0.875	0.152	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.327	J	mg/kg	0.438	0.029	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.172	J	mg/kg	0.875	0.086	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Calcium, Total	9130		mg/kg	8.75	3.06	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Chromium, Total	11.7		mg/kg	0.875	0.084	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Cobalt, Total	4.20		mg/kg	1.75	0.145	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Copper, Total	35.4		mg/kg	0.875	0.226	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Iron, Total	12000		mg/kg	4.38	0.790	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Lead, Total	90.3		mg/kg	4.38	0.235	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Magnesium, Total	2210		mg/kg	8.75	1.35	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Manganese, Total	268		mg/kg	0.875	0.139	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Mercury, Total	0.278		mg/kg	0.081	0.053	1	07/31/23 13:43	08/02/23 01:19	EPA 7471B	1,7471B	MJR
Nickel, Total	8.98		mg/kg	2.19	0.212	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Potassium, Total	892		mg/kg	219	12.6	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.75	0.226	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.438	0.248	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Sodium, Total	195		mg/kg	175	2.76	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.75	0.276	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Vanadium, Total	17.9		mg/kg	0.875	0.178	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW
Zinc, Total	105		mg/kg	4.38	0.256	2	07/31/23 13:09	08/01/23 19:20	EPA 3050B	1,6010D	AMW

Project Name: SA 101 EAST 150TH
Lab Number: L2343822
Project Number: 41.0163097.00
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-04
Client ID: FIELD BLANK
Sample Location: BRONX, NY
Date Collected: 07/28/23 15:00
Date Received: 07/28/23
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	ND		mg/l	0.0100	0.00327	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Barium, Total	0.00032	J	mg/l	0.00050	0.00017	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Chromium, Total	0.00033	J	mg/l	0.00100	0.00017	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/31/23 18:10	08/02/23 13:03	EPA 7470A	1,7470A	MJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Sodium, Total	0.182		mg/l	0.100	0.0293	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/31/23 21:47	08/01/23 14:22	EPA 3005A	1,6020B	SMV

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

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: WG1809748-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Barium, Total	ND		mg/kg	0.400	0.070	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Copper, Total	ND		mg/kg	0.400	0.103	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Iron, Total	ND		mg/kg	2.00	0.361	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Lead, Total	ND		mg/kg	2.00	0.107	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Potassium, Total	ND		mg/kg	100	5.76	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Silver, Total	ND		mg/kg	0.200	0.113	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/31/23 13:09	07/31/23 17:14	1,6010D	AMW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1809750-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/31/23 13:43	07/31/23 16:18	1,7471B	DHL

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

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): 04 Batch: WG1809786-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Sodium, Total	ND		mg/l	0.100	0.0293	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/31/23 21:47	08/01/23 14:17	1,6020B	SMV

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

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): 04 Batch: WG1809790-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/31/23 18:10	08/02/23 12:47	1,7470A	MJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1809748-2 SRM Lot Number: D119-540								
Aluminum, Total	81		-		48-152	-		
Antimony, Total	164		-		10-190	-		
Arsenic, Total	103		-		83-117	-		
Barium, Total	101		-		82-118	-		
Beryllium, Total	104		-		83-117	-		
Cadmium, Total	108		-		82-117	-		
Calcium, Total	99		-		81-118	-		
Chromium, Total	102		-		82-119	-		
Cobalt, Total	104		-		83-117	-		
Copper, Total	107		-		84-116	-		
Iron, Total	98		-		60-140	-		
Lead, Total	102		-		82-118	-		
Magnesium, Total	93		-		76-124	-		
Manganese, Total	102		-		82-118	-		
Nickel, Total	105		-		82-117	-		
Potassium, Total	92		-		70-130	-		
Selenium, Total	106		-		79-121	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	101		-		74-126	-		
Thallium, Total	108		-		81-119	-		
Vanadium, Total	102		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1809748-2 SRM Lot Number: D119-540					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1809750-2 SRM Lot Number: D119-540					
Mercury, Total	96	-	73-127	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1809786-2					
Aluminum, Total	112	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	103	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	97	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	106	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	106	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	102	-	80-120	-	
Thallium, Total	96	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1809786-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 04 Batch: WG1809790-2					
Mercury, Total	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1809748-3 QC Sample: L2341647-01 Client ID: MS Sample												
Aluminum, Total	8570	166	7060	**0**	Q	-	-		75-125	-		20
Antimony, Total	2.60	41.5	28.2	**62**	Q	-	-		75-125	-		20
Arsenic, Total	3.72	9.96	11.5	78		-	-		75-125	-		20
Barium, Total	98.9	166	186	**52**	Q	-	-		75-125	-		20
Beryllium, Total	1.55	4.15	3.98	**58**	Q	-	-		75-125	-		20
Cadmium, Total	0.369J	4.4	2.88	**65**	Q	-	-		75-125	-		20
Calcium, Total	74500	830	83200	**1050**	Q	-	-		75-125	-		20
Chromium, Total	254	16.6	63.4	**0**	Q	-	-		75-125	-		20
Cobalt, Total	2.57	41.5	25.6	**56**	Q	-	-		75-125	-		20
Copper, Total	21.5	20.7	32.9	**55**	Q	-	-		75-125	-		20
Iron, Total	33900	83	22900	**0**	Q	-	-		75-125	-		20
Lead, Total	10.5	44	38.2	**63**	Q	-	-		75-125	-		20
Magnesium, Total	13200	830	12000	**0**	Q	-	-		75-125	-		20
Manganese, Total	3720	41.5	1300	**0**	Q	-	-		75-125	-		20
Nickel, Total	10.5	41.5	31.9	**52**	Q	-	-		75-125	-		20
Potassium, Total	958	830	1440	**58**	Q	-	-		75-125	-		20
Selenium, Total	ND	9.96	7.79	78		-	-		75-125	-		20
Silver, Total	0.392	4.15	3.11	**66**	Q	-	-		75-125	-		20
Sodium, Total	456	830	1000	**66**	Q	-	-		75-125	-		20
Thallium, Total	ND	9.96	6.06	**61**	Q	-	-		75-125	-		20
Vanadium, Total	91.3	41.5	44.7	**0**	Q	-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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: WG1809748-3 QC Sample: L2341647-01 Client ID: MS Sample										
Zinc, Total	343	41.5	406	**152**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1809750-3 QC Sample: L2341931-03 Client ID: MS Sample										
Mercury, Total	9.70	1.67	13.8	**246**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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): 04 QC Batch ID: WG1809786-3 WG1809786-4 QC Sample: L2343170-01 Client ID: MS Sample											
Aluminum, Total	0.251	2	2.42	108		2.33	104		75-125	4	20
Antimony, Total	ND	0.5	0.4896	98		0.4690	94		75-125	4	20
Arsenic, Total	0.00151	0.12	0.1288	106		0.1292	106		75-125	0	20
Barium, Total	0.1529	2	2.146	100		2.131	99		75-125	1	20
Beryllium, Total	ND	0.05	0.05231	105		0.05228	104		75-125	0	20
Cadmium, Total	0.00015J	0.053	0.05626	106		0.05481	103		75-125	3	20
Calcium, Total	115.	10	116	**10**	Q	112	**0**	Q	75-125	4	20
Chromium, Total	0.00105	0.2	0.2052	102		0.2017	100		75-125	2	20
Cobalt, Total	0.00031J	0.5	0.5170	103		0.4990	100		75-125	4	20
Copper, Total	0.1022	0.25	0.3736	108		0.3624	104		75-125	3	20
Iron, Total	0.681	1	1.75	107		1.71	103		75-125	2	20
Lead, Total	0.01577	0.53	0.5564	102		0.5529	101		75-125	1	20
Magnesium, Total	25.9	10	36.6	107		35.1	92		75-125	4	20
Manganese, Total	0.08169	0.5	0.6126	106		0.5849	101		75-125	5	20
Nickel, Total	0.00357	0.5	0.5139	102		0.4962	98		75-125	4	20
Potassium, Total	7.32	10	16.9	96		16.6	93		75-125	2	20
Selenium, Total	0.00538	0.12	0.128	102		0.126	100		75-125	2	20
Silver, Total	ND	0.05	0.04886	98		0.04811	96		75-125	2	20
Sodium, Total	5.88	10	15.6	97		14.8	89		75-125	5	20
Thallium, Total	ND	0.12	0.1132	94		0.1141	95		75-125	1	20
Vanadium, Total	0.00187J	0.5	0.5072	101		0.4871	97		75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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): 04	QC Batch ID: WG1809786-3				WG1809786-4		QC Sample: L2343170-01	Client ID:	MS Sample
Zinc, Total	0.1250	0.5	0.6459	104	0.6399	103	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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): 04 QC Batch ID: WG1809786-7 WG1809786-8 QC Sample: L2343197-01 Client ID: MS Sample											
Aluminum, Total	0.668	2	2.57	95		2.69	101		75-125	5	20
Antimony, Total	0.00062J	0.5	0.4031	81		0.4138	83		75-125	3	20
Arsenic, Total	0.00046J	0.12	0.1223	102		0.1199	100		75-125	2	20
Barium, Total	0.08863	2	1.941	93		1.956	93		75-125	1	20
Beryllium, Total	ND	0.05	0.05160	103		0.05031	101		75-125	3	20
Cadmium, Total	ND	0.053	0.05202	98		0.05246	99		75-125	1	20
Calcium, Total	58.9	10	65.9	**70**	Q	68.6	97		75-125	4	20
Chromium, Total	0.00585	0.2	0.1902	92		0.1965	95		75-125	3	20
Cobalt, Total	0.00061	0.5	0.4759	95		0.4739	95		75-125	0	20
Copper, Total	0.00132	0.25	0.2501	100		0.2504	100		75-125	0	20
Iron, Total	1.29	1	2.24	95		2.30	101		75-125	3	20
Lead, Total	0.00070J	0.53	0.5102	96		0.5170	98		75-125	1	20
Magnesium, Total	15.2	10	24.4	92		25.8	106		75-125	6	20
Manganese, Total	0.1438	0.5	0.6057	92		0.6255	96		75-125	3	20
Nickel, Total	0.00401	0.5	0.4750	94		0.4819	96		75-125	1	20
Potassium, Total	19.9	10	28.1	82		29.3	94		75-125	4	20
Selenium, Total	0.00176J	0.12	0.112	93		0.121	101		75-125	8	20
Silver, Total	ND	0.05	0.04715	94		0.04728	94		75-125	0	20
Sodium, Total	108.	10	110	**20**	Q	115	**70**	Q	75-125	4	20
Thallium, Total	ND	0.12	0.1142	95		0.1166	97		75-125	2	20
Vanadium, Total	0.00179J	0.5	0.4620	92		0.4699	94		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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): 04	QC Batch ID: WG1809786-7				WG1809786-8	QC Sample: L2343197-01		Client ID:	MS Sample
Zinc, Total	ND	0.5	0.4796	96	0.4822	96	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 04	QC Batch ID: WG1809790-3				WG1809790-4	QC Sample: L2343170-01		Client ID:	MS Sample
Mercury, Total	ND	0.005	0.00469	94	0.00486	97	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 04	QC Batch ID: WG1809790-5				WG1809790-6	QC Sample: L2343197-01		Client ID:	MS Sample
Mercury, Total	ND	0.005	0.00520	104	0.00500	100	75-125	4	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1809748-4 QC Sample: L2341647-01 Client ID: DUP Sample						
Aluminum, Total	8570	8710	mg/kg	2		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1809748-4 QC Sample: L2341647-01 Client ID: DUP Sample						
Iron, Total	33900	25100	mg/kg	**30**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1809750-4 QC Sample: L2341931-03 Client ID: DUP Sample						
Mercury, Total	9.70	8.77	mg/kg	10		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2343822
Report Date: 08/18/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1809786-10 QC Sample: L2343197-01 Client ID: DUP Sample						
Aluminum, Total	0.668	0.709	mg/l	6		20
Barium, Total	0.08863	0.08590	mg/l	3		20
Calcium, Total	58.9	59.6	mg/l	1		20
Iron, Total	1.29	1.37	mg/l	6		20
Magnesium, Total	15.2	15.6	mg/l	3		20
Manganese, Total	0.1438	0.1454	mg/l	1		20
Potassium, Total	19.9	19.8	mg/l	1		20
Sodium, Total	108.	106.	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1809786-6 QC Sample: L2343170-01 Client ID: DUP Sample						
Aluminum, Total	0.251	0.241	mg/l	4		20
Barium, Total	0.1529	0.1471	mg/l	4		20
Calcium, Total	115.	107.	mg/l	7		20
Copper, Total	0.1022	0.1071	mg/l	5		20
Magnesium, Total	25.9	25.5	mg/l	2		20
Manganese, Total	0.08169	0.08050	mg/l	1		20
Potassium, Total	7.32	6.54	mg/l	11		20
Sodium, Total	5.88	5.35	mg/l	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-01
Client ID: EP-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:05
Date Received: 07/28/23
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	88.6		%	0.100	NA	1	-	07/29/23 11:18	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-02
Client ID: EP-02 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 14:30
Date Received: 07/28/23
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	93.2		%	0.100	NA	1	-	07/29/23 11:18	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

SAMPLE RESULTS

Lab ID: L2343822-03
Client ID: EP-01 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/28/23 15:15
Date Received: 07/28/23
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	-	07/29/23 11:18	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2343822

Report Date: 08/18/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1809310-1 QC Sample: L2342197-05 Client ID: DUP Sample						
Solids, Total	92.6	92.8	%	0		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343822-01A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2343822-01B	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-01C	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-01D	Plastic 120ml unpreserved	B	NA		4.2	Y	Absent		TS(7)
L2343822-01E	Plastic 2oz unpreserved for TS	C	NA		3.9	Y	Absent		TS(7)
L2343822-01F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	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),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2343822-01G	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343822-01H	Plastic 8oz unpreserved	C	NA		3.9	Y	Absent		HOLD-1633(90)
L2343822-02A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2343822-02B	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-02C	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-02D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2343822-02E	Plastic 2oz unpreserved for TS	C	NA		3.9	Y	Absent		TS(7)
L2343822-02F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2343822-02G	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343822-02H	Plastic 8oz unpreserved	C	NA		3.9	Y	Absent		HOLD-1633(90)
L2343822-03A	Vial MeOH preserved	B	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2343822-03B	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-03C	Vial water preserved	B	NA		4.2	Y	Absent	29-JUL-23 07:28	NYTCL-8260HLW(14)
L2343822-03D	Plastic 2oz unpreserved for TS	B	NA		4.2	Y	Absent		TS(7)
L2343822-03E	Plastic 2oz unpreserved for TS	C	NA		3.9	Y	Absent		TS(7)
L2343822-03F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.2	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),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2343822-03G	Glass 250ml/8oz unpreserved	B	NA		4.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343822-03H	Plastic 8oz unpreserved	C	NA		3.9	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2343822-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2343822-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2343822-04C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2343822-04D	Plastic 250ml HNO3 preserved	A	<2	<2	4.3	Y	Absent		TL-6020T(180),BA-6020T(180),SE-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),HG-T(28),AL-6020T(180),CO-6020T(180)
L2343822-04E	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8082-LVI(365)
L2343822-04F	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8082-LVI(365)
L2343822-04G	Amber 120ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8081(7)
L2343822-04H	Amber 120ml unpreserved	C	7	7	3.9	Y	Absent		NYTCL-8081(7)
L2343822-04I	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2343822-04J	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2343822-04K	Plastic 500ml unpreserved	A	7	7	4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2343822-04L	Plastic 500ml unpreserved	A	7	7	4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

Container Information

Container ID	*Container Type*	*Cooler*	*Initial pH*	*Final pH*	*Temp deg C*	*Pres*	*Seal*	*Frozen Date/Time*	*Analysis(*)*
L2343822-04M	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2343822-04N	Amber 250ml unpreserved	A	7	7	4.3	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2343822-05A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2343822-05B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2343822
Report Date: 08/18/23

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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2343822
Report Date: 08/18/23

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:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

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:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

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:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

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:	SA 101 EAST 150TH	**Lab Number:**	L2343822
Project Number:	41.0163097.00	**Report Date:**	08/18/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of

Date Rec'd in Lab: 7/28/23

ALPHA Job #: L2343822

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St.
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 East 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 3

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:
Hold PFAS Analysis for EP-02 and EP-05

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	VOCs 8260	SVOCs 8270	TAL Metals	Pesticides / PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
43822-01	EP-05 (5' bgs)	7/28/23	14:05	S	JN	X	X	X	X	X	X				
02	EP-02 (5' bgs)	"	14:30	"	JN	"	"	"	"	"	"				
03	EP-01 (5' bgs)	"	15:15	"	JN	"	"	"	"	"	"				
04	FB 8260	"	13:30		JN										
04	FB 8270	"	15:00		JN										
04	FB 8081,8082	"	14:55		JN										
04	FB PFAS	"	15:30		JN										
04	FB Total Metals	"	15:00		JN										
04	FB Dioxane	"	15:00		JN										

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	V	G	G	G	G	P		
Preservative								

Relinquished By:	Date/Time	Received By:	Date/Time
	7/28/2023 15:45	MPZW/ALPHA	7/28/23 15:45
MPZW/ALPHA	7/28/23 18:35	MSMA(ALPHA)	7/28/23 19:40
MSMA(ALPHA)	7/29		7/29 21:40
	7/28 23:40		7/28/23 2340

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)

JOB: L2343987 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5150: PFAS Parameter Summary - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2343987
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	08/17/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2343987-01	EP-23 (8' BGS)	SOIL	BRONX, NY	07/31/23 07:55	07/31/23
L2343987-02	EP-24 (8' BGS)	SOIL	BRONX, NY	07/31/23 08:10	07/31/23
L2343987-03	EP-22 (8' BGS)	SOIL	BRONX, NY	07/31/23 08:20	07/31/23
L2343987-04	EP-21 (8' BGS)	SOIL	BRONX, NY	07/31/23 08:35	07/31/23
L2343987-05	EP-25 (8' BGS)	SOIL	BRONX, NY	07/31/23 08:50	07/31/23
L2343987-06	EP-03 (5' BGS)	SOIL	BRONX, NY	07/31/23 13:50	07/31/23
L2343987-07	EP-04 (5' BGS)	SOIL	BRONX, NY	07/31/23 14:10	07/31/23
L2343987-08	FB PFAS 2023-07-31	WATER	BRONX, NY	07/31/23 13:20	07/31/23
L2343987-09	FB 2023-07-31	WATER	BRONX, NY	07/31/23 13:25	07/31/23
L2343987-10	TB 2023-07-31	WATER	BRONX, NY	07/31/23 00:00	07/31/23

Project Name:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

Case Narrative (continued)

Report Submission

August 17, 2023: 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.

Total Metals

L2343987-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

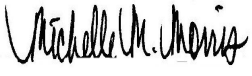
L2343987-09: The Field Blank has a result for barium and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1810373-1 Method Blank, associated with L2343987-01 through -07, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1810373-3 MS recoveries for aluminum (324%) and iron (1100%), performed on L2343987-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1810373-3 MS recovery, performed on L2343987-01, is outside the acceptance criteria for antimony (63%). A post digestion spike was performed and was within 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:  Michelle M. Morris

Title: Technical Director/Representative Date: 08/17/23

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 18:55
Analyst: AJK
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	210	97.	1
1,1-Dichloroethane	ND		ug/kg	42	6.1	1
Chloroform	ND		ug/kg	64	5.9	1
Carbon tetrachloride	ND		ug/kg	42	9.7	1
1,2-Dichloropropane	ND		ug/kg	42	5.3	1
Dibromochloromethane	ND		ug/kg	42	5.9	1
1,1,2-Trichloroethane	ND		ug/kg	42	11.	1
Tetrachloroethene	ND		ug/kg	21	8.3	1
Chlorobenzene	ND		ug/kg	21	5.4	1
Trichlorofluoromethane	ND		ug/kg	170	29.	1
1,2-Dichloroethane	ND		ug/kg	42	11.	1
1,1,1-Trichloroethane	ND		ug/kg	21	7.1	1
Bromodichloromethane	ND		ug/kg	21	4.6	1
trans-1,3-Dichloropropene	ND		ug/kg	42	12.	1
cis-1,3-Dichloropropene	ND		ug/kg	21	6.7	1
1,3-Dichloropropene, Total	ND		ug/kg	21	6.7	1
1,1-Dichloropropene	ND		ug/kg	21	6.7	1
Bromoform	ND		ug/kg	170	10.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	21	7.0	1
Benzene	ND		ug/kg	21	7.0	1
Toluene	ND		ug/kg	42	23.	1
Ethylbenzene	28	J	ug/kg	42	6.0	1
Chloromethane	ND		ug/kg	170	39.	1
Bromomethane	34	J	ug/kg	85	25.	1
Vinyl chloride	ND		ug/kg	42	14.	1
Chloroethane	ND		ug/kg	85	19.	1
1,1-Dichloroethene	ND		ug/kg	42	10.	1
trans-1,2-Dichloroethene	ND		ug/kg	64	5.8	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	21	5.8	1
1,2-Dichlorobenzene	ND		ug/kg	85	6.1	1
1,3-Dichlorobenzene	ND		ug/kg	85	6.3	1
1,4-Dichlorobenzene	ND		ug/kg	85	7.2	1
Methyl tert butyl ether	ND		ug/kg	85	8.5	1
p/m-Xylene	41	J	ug/kg	85	24.	1
o-Xylene	32	J	ug/kg	42	12.	1
Xylenes, Total	73	J	ug/kg	42	12.	1
cis-1,2-Dichloroethene	ND		ug/kg	42	7.4	1
1,2-Dichloroethene, Total	ND		ug/kg	42	5.8	1
Dibromomethane	ND		ug/kg	85	10.	1
Styrene	ND		ug/kg	42	8.3	1
Dichlorodifluoromethane	ND		ug/kg	420	39.	1
Acetone	ND		ug/kg	420	200	1
Carbon disulfide	ND		ug/kg	420	190	1
2-Butanone	ND		ug/kg	420	94.	1
Vinyl acetate	ND		ug/kg	420	91.	1
4-Methyl-2-pentanone	ND		ug/kg	420	54.	1
1,2,3-Trichloropropane	ND		ug/kg	85	5.4	1
2-Hexanone	ND		ug/kg	420	50.	1
Bromochloromethane	ND		ug/kg	85	8.7	1
2,2-Dichloropropane	ND		ug/kg	85	8.6	1
1,2-Dibromoethane	ND		ug/kg	42	12.	1
1,3-Dichloropropane	ND		ug/kg	85	7.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	21	5.6	1
Bromobenzene	ND		ug/kg	85	6.1	1
n-Butylbenzene	210		ug/kg	42	7.1	1
sec-Butylbenzene	70		ug/kg	42	6.2	1
tert-Butylbenzene	6.1	J	ug/kg	85	5.0	1
o-Chlorotoluene	ND		ug/kg	85	8.1	1
p-Chlorotoluene	ND		ug/kg	85	4.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	130	42.	1
Hexachlorobutadiene	ND		ug/kg	170	7.2	1
Isopropylbenzene	48		ug/kg	42	4.6	1
p-Isopropyltoluene	56		ug/kg	42	4.6	1
Naphthalene	190		ug/kg	170	28.	1
Acrylonitrile	ND		ug/kg	170	49.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	260		ug/kg	42	7.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	85	14.	1
1,2,4-Trichlorobenzene	ND		ug/kg	85	12.	1
1,3,5-Trimethylbenzene	620		ug/kg	85	8.2	1
1,2,4-Trimethylbenzene	1800		ug/kg	85	14.	1
1,4-Dioxane	ND		ug/kg	3400	1500	1
p-Diethylbenzene	1500		ug/kg	85	7.5	1
p-Ethyltoluene	600		ug/kg	85	16.	1
1,2,4,5-Tetramethylbenzene	500		ug/kg	85	8.1	1
Ethyl ether	ND		ug/kg	85	14.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	210	60.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	112		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 17:34
Analyst: AJK
Percent Solids: 80%

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	52		ug/kg	0.96	0.14	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
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	7.0		ug/kg	1.9	0.54	1
o-Xylene	0.51	J	ug/kg	0.96	0.28	1
Xylenes, Total	7.5	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	12		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	5.6	J	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	2.5		ug/kg	0.96	0.16	1
sec-Butylbenzene	1.7		ug/kg	0.96	0.14	1
tert-Butylbenzene	0.41	J	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	8.1		ug/kg	0.96	0.10	1
p-Isopropyltoluene	0.59	J	ug/kg	0.96	0.10	1
Naphthalene	5.2		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	19		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	0.20	J	ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	77	34.	1
p-Diethylbenzene	3.8		ug/kg	1.9	0.17	1
p-Ethyltoluene	3.1		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	15		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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03 D2
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/06/23 23:04
Analyst: JIC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3,5-Trimethylbenzene	140000		ug/kg	7500	720	100
1,2,4-Trimethylbenzene	470000		ug/kg	7500	1200	100
p-Diethylbenzene	190000		ug/kg	7500	660	100
p-Ethyltoluene	290000		ug/kg	7500	1400	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03 D
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 19:49
Analyst: AJK
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1900	860	10
1,1-Dichloroethane	ND		ug/kg	380	54.	10
Chloroform	ND		ug/kg	560	52.	10
Carbon tetrachloride	ND		ug/kg	380	86.	10
1,2-Dichloropropane	ND		ug/kg	380	47.	10
Dibromochloromethane	ND		ug/kg	380	52.	10
1,1,2-Trichloroethane	ND		ug/kg	380	100	10
Tetrachloroethene	ND		ug/kg	190	74.	10
Chlorobenzene	ND		ug/kg	190	48.	10
Trichlorofluoromethane	ND		ug/kg	1500	260	10
1,2-Dichloroethane	ND		ug/kg	380	96.	10
1,1,1-Trichloroethane	ND		ug/kg	190	63.	10
Bromodichloromethane	ND		ug/kg	190	41.	10
trans-1,3-Dichloropropene	ND		ug/kg	380	100	10
cis-1,3-Dichloropropene	ND		ug/kg	190	59.	10
1,3-Dichloropropene, Total	ND		ug/kg	190	59.	10
1,1-Dichloropropene	ND		ug/kg	190	60.	10
Bromoform	ND		ug/kg	1500	92.	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	190	62.	10
Benzene	ND		ug/kg	190	62.	10
Toluene	ND		ug/kg	380	200	10
Ethylbenzene	50000		ug/kg	380	53.	10
Chloromethane	ND		ug/kg	1500	350	10
Bromomethane	ND		ug/kg	750	220	10
Vinyl chloride	ND		ug/kg	380	120	10
Chloroethane	ND		ug/kg	750	170	10
1,1-Dichloroethene	ND		ug/kg	380	89.	10
trans-1,2-Dichloroethene	ND		ug/kg	560	51.	10

Project Name: SA 101 E 150TH **Lab Number:** L2343987

Project Number: 41.0163097.00 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03 D Date Collected: 07/31/23 08:20

Client ID: EP-22 (8' BGS) Date Received: 07/31/23

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	190	51.	10
1,2-Dichlorobenzene	ND		ug/kg	750	54.	10
1,3-Dichlorobenzene	ND		ug/kg	750	56.	10
1,4-Dichlorobenzene	ND		ug/kg	750	64.	10
Methyl tert butyl ether	ND		ug/kg	750	75.	10
p/m-Xylene	210000		ug/kg	750	210	10
o-Xylene	57000		ug/kg	380	110	10
Xylenes, Total	270000		ug/kg	380	110	10
cis-1,2-Dichloroethene	ND		ug/kg	380	66.	10
1,2-Dichloroethene, Total	ND		ug/kg	380	51.	10
Dibromomethane	ND		ug/kg	750	89.	10
Styrene	ND		ug/kg	380	74.	10
Dichlorodifluoromethane	ND		ug/kg	3800	340	10
Acetone	ND		ug/kg	3800	1800	10
Carbon disulfide	ND		ug/kg	3800	1700	10
2-Butanone	ND		ug/kg	3800	830	10
Vinyl acetate	ND		ug/kg	3800	810	10
4-Methyl-2-pentanone	ND		ug/kg	3800	480	10
1,2,3-Trichloropropane	ND		ug/kg	750	48.	10
2-Hexanone	ND		ug/kg	3800	440	10
Bromochloromethane	ND		ug/kg	750	77.	10
2,2-Dichloropropane	ND		ug/kg	750	76.	10
1,2-Dibromoethane	ND		ug/kg	380	100	10
1,3-Dichloropropane	ND		ug/kg	750	63.	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	190	50.	10
Bromobenzene	ND		ug/kg	750	54.	10
n-Butylbenzene	29000		ug/kg	380	63.	10
sec-Butylbenzene	10000		ug/kg	380	55.	10
tert-Butylbenzene	940		ug/kg	750	44.	10
o-Chlorotoluene	ND		ug/kg	750	72.	10
p-Chlorotoluene	ND		ug/kg	750	40.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1100	370	10
Hexachlorobutadiene	ND		ug/kg	1500	63.	10
Isopropylbenzene	17000		ug/kg	380	41.	10
p-Isopropyltoluene	6700		ug/kg	380	41.	10
Naphthalene	82000		ug/kg	1500	240	10
Acrylonitrile	ND		ug/kg	1500	430	10

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03 D
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	59000		ug/kg	380	64.	10
1,2,3-Trichlorobenzene	ND		ug/kg	750	120	10
1,2,4-Trichlorobenzene	ND		ug/kg	750	100	10
1,3,5-Trimethylbenzene	150000	E	ug/kg	750	72.	10
1,2,4-Trimethylbenzene	450000	E	ug/kg	750	120	10
1,4-Dioxane	ND		ug/kg	30000	13000	10
p-Diethylbenzene	210000	E	ug/kg	750	66.	10
p-Ethyltoluene	320000	E	ug/kg	750	140	10
1,2,4,5-Tetramethylbenzene	58000		ug/kg	750	72.	10
Ethyl ether	ND		ug/kg	750	130	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	1900	530	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	89		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04 D2
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/07/23 10:00
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,3,5-Trimethylbenzene	210000		ug/kg	6600	630	100
1,2,4-Trimethylbenzene	680000		ug/kg	6600	1100	100
p-Diethylbenzene	270000		ug/kg	6600	580	100
p-Ethyltoluene	450000		ug/kg	6600	1300	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04 D
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 20:17
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3300	1500	20
1,1-Dichloroethane	ND		ug/kg	660	95.	20
Chloroform	ND		ug/kg	980	92.	20
Carbon tetrachloride	ND		ug/kg	660	150	20
1,2-Dichloropropane	ND		ug/kg	660	82.	20
Dibromochloromethane	ND		ug/kg	660	92.	20
1,1,2-Trichloroethane	ND		ug/kg	660	180	20
Tetrachloroethene	ND		ug/kg	330	130	20
Chlorobenzene	ND		ug/kg	330	83.	20
Trichlorofluoromethane	ND		ug/kg	2600	460	20
1,2-Dichloroethane	ND		ug/kg	660	170	20
1,1,1-Trichloroethane	ND		ug/kg	330	110	20
Bromodichloromethane	ND		ug/kg	330	72.	20
trans-1,3-Dichloropropene	ND		ug/kg	660	180	20
cis-1,3-Dichloropropene	ND		ug/kg	330	100	20
1,3-Dichloropropene, Total	ND		ug/kg	330	100	20
1,1-Dichloropropene	ND		ug/kg	330	100	20
Bromoform	ND		ug/kg	2600	160	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	330	110	20
Benzene	ND		ug/kg	330	110	20
Toluene	460	J	ug/kg	660	360	20
Ethylbenzene	70000		ug/kg	660	93.	20
Chloromethane	ND		ug/kg	2600	610	20
Bromomethane	ND		ug/kg	1300	380	20
Vinyl chloride	ND		ug/kg	660	220	20
Chloroethane	ND		ug/kg	1300	300	20
1,1-Dichloroethene	ND		ug/kg	660	160	20
trans-1,2-Dichloroethene	ND		ug/kg	980	90.	20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04 D
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	330	90.	20
1,2-Dichlorobenzene	ND		ug/kg	1300	95.	20
1,3-Dichlorobenzene	ND		ug/kg	1300	97.	20
1,4-Dichlorobenzene	ND		ug/kg	1300	110	20
Methyl tert butyl ether	ND		ug/kg	1300	130	20
p/m-Xylene	330000		ug/kg	1300	370	20
o-Xylene	140000		ug/kg	660	190	20
Xylenes, Total	470000		ug/kg	660	190	20
cis-1,2-Dichloroethene	ND		ug/kg	660	120	20
1,2-Dichloroethene, Total	ND		ug/kg	660	90.	20
Dibromomethane	ND		ug/kg	1300	160	20
Styrene	ND		ug/kg	660	130	20
Dichlorodifluoromethane	ND		ug/kg	6600	600	20
Acetone	ND		ug/kg	6600	3200	20
Carbon disulfide	ND		ug/kg	6600	3000	20
2-Butanone	ND		ug/kg	6600	1400	20
Vinyl acetate	ND		ug/kg	6600	1400	20
4-Methyl-2-pentanone	ND		ug/kg	6600	840	20
1,2,3-Trichloropropane	ND		ug/kg	1300	83.	20
2-Hexanone	ND		ug/kg	6600	780	20
Bromochloromethane	ND		ug/kg	1300	130	20
2,2-Dichloropropane	ND		ug/kg	1300	130	20
1,2-Dibromoethane	ND		ug/kg	660	180	20
1,3-Dichloropropane	ND		ug/kg	1300	110	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	330	87.	20
Bromobenzene	ND		ug/kg	1300	95.	20
n-Butylbenzene	45000		ug/kg	660	110	20
sec-Butylbenzene	15000		ug/kg	660	96.	20
tert-Butylbenzene	1400		ug/kg	1300	78.	20
o-Chlorotoluene	ND		ug/kg	1300	120	20
p-Chlorotoluene	ND		ug/kg	1300	71.	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	660	20
Hexachlorobutadiene	ND		ug/kg	2600	110	20
Isopropylbenzene	24000		ug/kg	660	72.	20
p-Isopropyltoluene	12000		ug/kg	660	72.	20
Naphthalene	110000		ug/kg	2600	430	20
Acrylonitrile	ND		ug/kg	2600	760	20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04 D
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	83000		ug/kg	660	110	20
1,2,3-Trichlorobenzene	ND		ug/kg	1300	210	20
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	20
1,3,5-Trimethylbenzene	230000	E	ug/kg	1300	130	20
1,2,4-Trimethylbenzene	670000	E	ug/kg	1300	220	20
1,4-Dioxane	ND		ug/kg	52000	23000	20
p-Diethylbenzene	330000	E	ug/kg	1300	120	20
p-Ethyltoluene	500000	E	ug/kg	1300	250	20
1,2,4,5-Tetramethylbenzene	90000		ug/kg	1300	120	20
Ethyl ether	ND		ug/kg	1300	220	20
trans-1,4-Dichloro-2-butene	ND		ug/kg	3300	930	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	92		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 19:22
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	170	79.	1
1,1-Dichloroethane	ND		ug/kg	34	5.0	1
Chloroform	ND		ug/kg	52	4.8	1
Carbon tetrachloride	ND		ug/kg	34	7.9	1
1,2-Dichloropropane	ND		ug/kg	34	4.3	1
Dibromochloromethane	ND		ug/kg	34	4.8	1
1,1,2-Trichloroethane	ND		ug/kg	34	9.2	1
Tetrachloroethene	ND		ug/kg	17	6.7	1
Chlorobenzene	ND		ug/kg	17	4.4	1
Trichlorofluoromethane	ND		ug/kg	140	24.	1
1,2-Dichloroethane	ND		ug/kg	34	8.8	1
1,1,1-Trichloroethane	ND		ug/kg	17	5.7	1
Bromodichloromethane	ND		ug/kg	17	3.7	1
trans-1,3-Dichloropropene	ND		ug/kg	34	9.4	1
cis-1,3-Dichloropropene	ND		ug/kg	17	5.4	1
1,3-Dichloropropene, Total	ND		ug/kg	17	5.4	1
1,1-Dichloropropene	ND		ug/kg	17	5.5	1
Bromoform	ND		ug/kg	140	8.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	17	5.7	1
Benzene	ND		ug/kg	17	5.7	1
Toluene	ND		ug/kg	34	19.	1
Ethylbenzene	310		ug/kg	34	4.8	1
Chloromethane	ND		ug/kg	140	32.	1
Bromomethane	ND		ug/kg	69	20.	1
Vinyl chloride	ND		ug/kg	34	12.	1
Chloroethane	ND		ug/kg	69	16.	1
1,1-Dichloroethene	ND		ug/kg	34	8.2	1
trans-1,2-Dichloroethene	ND		ug/kg	52	4.7	1

Project Name: SA 101 E 150TH **Lab Number:** L2343987

Project Number: 41.0163097.00 **Report Date:** 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05 Date Collected: 07/31/23 08:50

Client ID: EP-25 (8' BGS) Date Received: 07/31/23

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	17	4.7	1
1,2-Dichlorobenzene	ND		ug/kg	69	5.0	1
1,3-Dichlorobenzene	ND		ug/kg	69	5.1	1
1,4-Dichlorobenzene	ND		ug/kg	69	5.9	1
Methyl tert butyl ether	ND		ug/kg	69	6.9	1
p/m-Xylene	98		ug/kg	69	19.	1
o-Xylene	86		ug/kg	34	10.	1
Xylenes, Total	180		ug/kg	34	10.	1
cis-1,2-Dichloroethene	ND		ug/kg	34	6.0	1
1,2-Dichloroethene, Total	ND		ug/kg	34	4.7	1
Dibromomethane	ND		ug/kg	69	8.2	1
Styrene	ND		ug/kg	34	6.7	1
Dichlorodifluoromethane	ND		ug/kg	340	31.	1
Acetone	ND		ug/kg	340	160	1
Carbon disulfide	ND		ug/kg	340	160	1
2-Butanone	ND		ug/kg	340	76.	1
Vinyl acetate	ND		ug/kg	340	74.	1
4-Methyl-2-pentanone	ND		ug/kg	340	44.	1
1,2,3-Trichloropropane	ND		ug/kg	69	4.4	1
2-Hexanone	ND		ug/kg	340	40.	1
Bromochloromethane	ND		ug/kg	69	7.0	1
2,2-Dichloropropane	ND		ug/kg	69	6.9	1
1,2-Dibromoethane	ND		ug/kg	34	9.6	1
1,3-Dichloropropane	ND		ug/kg	69	5.7	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	17	4.5	1
Bromobenzene	ND		ug/kg	69	5.0	1
n-Butylbenzene	1200		ug/kg	34	5.7	1
sec-Butylbenzene	560		ug/kg	34	5.0	1
tert-Butylbenzene	55	J	ug/kg	69	4.0	1
o-Chlorotoluene	ND		ug/kg	69	6.6	1
p-Chlorotoluene	ND		ug/kg	69	3.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	100	34.	1
Hexachlorobutadiene	ND		ug/kg	140	5.8	1
Isopropylbenzene	300		ug/kg	34	3.7	1
p-Isopropyltoluene	560		ug/kg	34	3.7	1
Naphthalene	500		ug/kg	140	22.	1
Acrylonitrile	ND		ug/kg	140	40.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	1300		ug/kg	34	5.9	1
1,2,3-Trichlorobenzene	ND		ug/kg	69	11.	1
1,2,4-Trichlorobenzene	ND		ug/kg	69	9.4	1
1,3,5-Trimethylbenzene	290		ug/kg	69	6.6	1
1,2,4-Trimethylbenzene	5600		ug/kg	69	11.	1
1,4-Dioxane	ND		ug/kg	2800	1200	1
p-Diethylbenzene	1200		ug/kg	69	6.1	1
p-Ethyltoluene	620		ug/kg	69	13.	1
1,2,4,5-Tetramethylbenzene	3500		ug/kg	69	6.6	1
Ethyl ether	ND		ug/kg	69	12.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	170	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 18:28
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	0.41	J	ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	1.5		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	2.4		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	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	3.9	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	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.3		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	0.30	J	ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	0.30	J	ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.88	1
Acetone	ND		ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.1	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	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	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	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	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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	0.97	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	0.19	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	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	114		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/04/23 18:01
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	0.91		ug/kg	0.80	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.80	0.18	1
1,2-Dichloropropane	ND		ug/kg	0.80	0.10	1
Dibromochloromethane	ND		ug/kg	0.80	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.80	0.21	1
Tetrachloroethene	1.2		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.80	0.20	1
1,1,1-Trichloroethane	2.3		ug/kg	0.40	0.13	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.80	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.80	0.43	1
Ethylbenzene	ND		ug/kg	0.80	0.11	1
Chloromethane	ND		ug/kg	3.2	0.75	1
Bromomethane	ND		ug/kg	1.6	0.46	1
Vinyl chloride	ND		ug/kg	0.80	0.27	1
Chloroethane	ND		ug/kg	1.6	0.36	1
1,1-Dichloroethene	ND		ug/kg	0.80	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.8		ug/kg	0.40	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.80	0.23	1
Xylenes, Total	ND		ug/kg	0.80	0.23	1
cis-1,2-Dichloroethene	1.2		ug/kg	0.80	0.14	1
1,2-Dichloroethene, Total	1.2		ug/kg	0.80	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.80	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.0	0.73	1
Acetone	ND		ug/kg	8.0	3.8	1
Carbon disulfide	ND		ug/kg	8.0	3.6	1
2-Butanone	ND		ug/kg	8.0	1.8	1
Vinyl acetate	ND		ug/kg	8.0	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	8.0	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.0	0.94	1
Bromochloromethane	ND		ug/kg	1.6	0.16	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.80	0.22	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.13	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	0.10	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.80	0.13	1
sec-Butylbenzene	ND		ug/kg	0.80	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.09	1
o-Chlorotoluene	ND		ug/kg	1.6	0.15	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.80	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.14	1
Isopropylbenzene	ND		ug/kg	0.80	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.80	0.09	1
Naphthalene	ND		ug/kg	3.2	0.52	1
Acrylonitrile	ND		ug/kg	3.2	0.92	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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	0.80	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.15	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	64	28.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.15	1
Ethyl ether	ND		ug/kg	1.6	0.27	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.0	1.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	116		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/02/23 13:57
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:25
Date Received: 07/31/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:25
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-10
Client ID: TB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 00:00
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/02/23 14:22
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-10
Client ID: TB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 00:00
Date Received: 07/31/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-10
Client ID: TB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 00:00
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	106		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/23 08:11
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1810903-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/23 08:11
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1810903-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/02/23 08:11
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1810903-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1812045-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.3	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1812045-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,06-07 Batch: WG1812045-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1812063-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	64	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1812063-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/04/23 10:45
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-05 Batch: WG1812063-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/23 15:16
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1812592-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/23 15:16
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1812592-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/06/23 15:16
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1812592-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/07/23 09:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1812741-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	29	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/07/23 09:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1812741-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/07/23 09:23
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 04 Batch: WG1812741-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1810903-3 WG1810903-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	88		88		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	90		89		70-130	1		20
Dibromochloromethane	96		96		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	120		110		70-130	9		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	85		87		70-130	2		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	96		93		70-130	3		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	110		100		70-130	10		20
Bromoform	94		95		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		97		70-130	3		20
Ethylbenzene	100		98		70-130	2		20
Chloromethane	86		83		64-130	4		20
Bromomethane	80		78		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1810903-3 WG1810903-4								
Vinyl chloride	92		91		55-140	1		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	100		99		61-145	1		20
trans-1,2-Dichloroethene	99		100		70-130	1		20
Trichloroethene	97		94		70-130	3		20
1,2-Dichlorobenzene	100		98		70-130	2		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		98		70-130	2		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	91		92		64-130	1		20
Acrylonitrile	90		92		70-130	2		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	91		98		58-148	7		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	93		95		63-138	2		20
Vinyl acetate	**140**	Q	**140**	Q	70-130	0		20
4-Methyl-2-pentanone	82		84		59-130	2		20
2-Hexanone	85		91		57-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1810903-3 WG1810903-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	99		96		70-130	3		20
1,3-Dichloropropane	99		98		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		98		70-130	2		20
n-Butylbenzene	94		92		53-136	2		20
sec-Butylbenzene	95		93		70-130	2		20
tert-Butylbenzene	97		92		70-130	5		20
o-Chlorotoluene	94		90		70-130	4		20
p-Chlorotoluene	90		88		70-130	2		20
1,2-Dibromo-3-chloropropane	98		100		41-144	2		20
Hexachlorobutadiene	100		97		63-130	3		20
Isopropylbenzene	97		93		70-130	4		20
p-Isopropyltoluene	96		92		70-130	4		20
Naphthalene	88		90		70-130	2		20
n-Propylbenzene	95		92		69-130	3		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20
1,2,4-Trichlorobenzene	98		97		70-130	1		20
1,3,5-Trimethylbenzene	97		94		64-130	3		20
1,2,4-Trimethylbenzene	97		93		70-130	4		20
1,4-Dioxane	130		144		56-162	10		20
p-Diethylbenzene	95		92		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1810903-3 WG1810903-4								
p-Ethyltoluene	99		94		70-130	5		20
1,2,4,5-Tetramethylbenzene	89		89		70-130	0		20
Ethyl ether	120		110		59-134	9		20
trans-1,4-Dichloro-2-butene	82		82		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		92		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	85		85		70-130
Dibromofluoromethane	101		105		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1812045-3 WG1812045-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	95		93		70-130	2		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	120		113		70-130	6		30
1,2-Dichloropropane	93		90		70-130	3		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	98		97		70-130	1		30
Tetrachloroethene	107		103		70-130	4		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	114		110		70-139	4		30
1,2-Dichloroethane	89		88		70-130	1		30
1,1,1-Trichloroethane	106		102		70-130	4		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	103		102		70-130	1		30
1,1-Dichloropropene	107		101		70-130	6		30
Bromoform	88		83		70-130	6		30
1,1,2,2-Tetrachloroethane	98		95		70-130	3		30
Benzene	104		101		70-130	3		30
Toluene	98		95		70-130	3		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	86		82		52-130	5		30
Bromomethane	91		90		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1812045-3 WG1812045-4								
Vinyl chloride	92		88		67-130	4		30
Chloroethane	90		87		50-151	3		30
1,1-Dichloroethene	95		91		65-135	4		30
trans-1,2-Dichloroethene	94		90		70-130	4		30
Trichloroethene	102		96		70-130	6		30
1,2-Dichlorobenzene	100		96		70-130	4		30
1,3-Dichlorobenzene	106		101		70-130	5		30
1,4-Dichlorobenzene	105		101		70-130	4		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	101		97		70-130	4		30
o-Xylene	99		95		70-130	4		30
cis-1,2-Dichloroethene	95		95		70-130	0		30
Dibromomethane	100		97		70-130	3		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	107		103		30-146	4		30
Acetone	81		74		54-140	9		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	80		74		70-130	8		30
Vinyl acetate	97		94		70-130	3		30
4-Methyl-2-pentanone	79		74		70-130	7		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	70		**69**	Q	70-130	1		30
Bromochloromethane	99		96		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1812045-3 WG1812045-4								
2,2-Dichloropropane	104		99		70-130	5		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	94		92		69-130	2		30
1,1,1,2-Tetrachloroethane	105		103		70-130	2		30
Bromobenzene	96		92		70-130	4		30
n-Butylbenzene	116		109		70-130	6		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	100		95		70-130	5		30
o-Chlorotoluene	99		94		70-130	5		30
p-Chlorotoluene	99		95		70-130	4		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	112		103		67-130	8		30
Isopropylbenzene	98		94		70-130	4		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	94		89		70-130	5		30
Acrylonitrile	87		86		70-130	1		30
n-Propylbenzene	104		98		70-130	6		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	104		97		70-130	7		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		96		70-130	2		30
1,4-Dioxane	100		94		65-136	6		30
p-Diethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,06-07 Batch: WG1812045-3 WG1812045-4								
p-Ethyltoluene	101		96		70-130	5		30
1,2,4,5-Tetramethylbenzene	95		91		70-130	4		30
Ethyl ether	103		105		67-130	2		30
trans-1,4-Dichloro-2-butene	93		88		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	89		88		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1812063-3 WG1812063-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	95		93		70-130	2		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	120		113		70-130	6		30
1,2-Dichloropropane	93		90		70-130	3		30
Dibromochloromethane	98		96		70-130	2		30
1,1,2-Trichloroethane	98		97		70-130	1		30
Tetrachloroethene	107		103		70-130	4		30
Chlorobenzene	99		97		70-130	2		30
Trichlorofluoromethane	114		110		70-139	4		30
1,2-Dichloroethane	89		88		70-130	1		30
1,1,1-Trichloroethane	106		102		70-130	4		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	100		97		70-130	3		30
cis-1,3-Dichloropropene	103		102		70-130	1		30
1,1-Dichloropropene	107		101		70-130	6		30
Bromoform	88		83		70-130	6		30
1,1,2,2-Tetrachloroethane	98		95		70-130	3		30
Benzene	104		101		70-130	3		30
Toluene	98		95		70-130	3		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	86		82		52-130	5		30
Bromomethane	91		90		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1812063-3 WG1812063-4								
Vinyl chloride	92		88		67-130	4		30
Chloroethane	90		87		50-151	3		30
1,1-Dichloroethene	95		91		65-135	4		30
trans-1,2-Dichloroethene	94		90		70-130	4		30
Trichloroethene	102		96		70-130	6		30
1,2-Dichlorobenzene	100		96		70-130	4		30
1,3-Dichlorobenzene	106		101		70-130	5		30
1,4-Dichlorobenzene	105		101		70-130	4		30
Methyl tert butyl ether	102		100		66-130	2		30
p/m-Xylene	101		97		70-130	4		30
o-Xylene	99		95		70-130	4		30
cis-1,2-Dichloroethene	95		95		70-130	0		30
Dibromomethane	100		97		70-130	3		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	107		103		30-146	4		30
Acetone	81		74		54-140	9		30
Carbon disulfide	96		92		59-130	4		30
2-Butanone	80		74		70-130	8		30
Vinyl acetate	97		94		70-130	3		30
4-Methyl-2-pentanone	79		74		70-130	7		30
1,2,3-Trichloropropane	91		86		68-130	6		30
2-Hexanone	70		**69**	Q	70-130	1		30
Bromochloromethane	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1812063-3 WG1812063-4								
2,2-Dichloropropane	104		99		70-130	5		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	94		92		69-130	2		30
1,1,1,2-Tetrachloroethane	105		103		70-130	2		30
Bromobenzene	96		92		70-130	4		30
n-Butylbenzene	116		109		70-130	6		30
sec-Butylbenzene	104		99		70-130	5		30
tert-Butylbenzene	100		95		70-130	5		30
o-Chlorotoluene	99		94		70-130	5		30
p-Chlorotoluene	99		95		70-130	4		30
1,2-Dibromo-3-chloropropane	81		78		68-130	4		30
Hexachlorobutadiene	112		103		67-130	8		30
Isopropylbenzene	98		94		70-130	4		30
p-Isopropyltoluene	104		98		70-130	6		30
Naphthalene	94		89		70-130	5		30
Acrylonitrile	87		86		70-130	1		30
n-Propylbenzene	104		98		70-130	6		30
1,2,3-Trichlorobenzene	98		94		70-130	4		30
1,2,4-Trichlorobenzene	104		97		70-130	7		30
1,3,5-Trimethylbenzene	98		94		70-130	4		30
1,2,4-Trimethylbenzene	98		96		70-130	2		30
1,4-Dioxane	100		94		65-136	6		30
p-Diethylbenzene	106		101		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1812063-3 WG1812063-4								
p-Ethyltoluene	101		96		70-130	5		30
1,2,4,5-Tetramethylbenzene	95		91		70-130	4		30
Ethyl ether	103		105		67-130	2		30
trans-1,4-Dichloro-2-butene	93		88		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		99		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	89		88		70-130
Dibromofluoromethane	105		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1812592-3 WG1812592-4								
Methylene chloride	97		92		70-130	5		30
1,1-Dichloroethane	104		96		70-130	8		30
Chloroform	101		94		70-130	7		30
Carbon tetrachloride	100		92		70-130	8		30
1,2-Dichloropropane	105		98		70-130	7		30
Dibromochloromethane	93		91		70-130	2		30
1,1,2-Trichloroethane	99		95		70-130	4		30
Tetrachloroethene	100		91		70-130	9		30
Chlorobenzene	99		94		70-130	5		30
Trichlorofluoromethane	110		102		70-139	8		30
1,2-Dichloroethane	99		96		70-130	3		30
1,1,1-Trichloroethane	106		98		70-130	8		30
Bromodichloromethane	97		94		70-130	3		30
trans-1,3-Dichloropropene	101		97		70-130	4		30
cis-1,3-Dichloropropene	103		97		70-130	6		30
1,1-Dichloropropene	111		102		70-130	8		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	95		95		70-130	0		30
Benzene	103		96		70-130	7		30
Toluene	97		90		70-130	7		30
Ethylbenzene	102		94		70-130	8		30
Chloromethane	105		94		52-130	11		30
Bromomethane	111		102		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1812592-3 WG1812592-4								
Vinyl chloride	113		101		67-130	11		30
Chloroethane	109		99		50-151	10		30
1,1-Dichloroethene	103		94		65-135	9		30
trans-1,2-Dichloroethene	102		94		70-130	8		30
Trichloroethene	106		96		70-130	10		30
1,2-Dichlorobenzene	99		95		70-130	4		30
1,3-Dichlorobenzene	100		94		70-130	6		30
1,4-Dichlorobenzene	98		94		70-130	4		30
Methyl tert butyl ether	99		96		66-130	3		30
p/m-Xylene	104		97		70-130	7		30
o-Xylene	102		96		70-130	6		30
cis-1,2-Dichloroethene	100		93		70-130	7		30
Dibromomethane	95		93		70-130	2		30
Styrene	101		96		70-130	5		30
Dichlorodifluoromethane	105		94		30-146	11		30
Acetone	90		92		54-140	2		30
Carbon disulfide	97		88		59-130	10		30
2-Butanone	95		102		70-130	7		30
Vinyl acetate	97		95		70-130	2		30
4-Methyl-2-pentanone	92		92		70-130	0		30
1,2,3-Trichloropropane	96		95		68-130	1		30
2-Hexanone	89		89		70-130	0		30
Bromochloromethane	99		94		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1812592-3 WG1812592-4								
2,2-Dichloropropane	104		96		70-130	8		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	100		97		69-130	3		30
1,1,1,2-Tetrachloroethane	96		91		70-130	5		30
Bromobenzene	97		93		70-130	4		30
n-Butylbenzene	113		103		70-130	9		30
sec-Butylbenzene	108		100		70-130	8		30
tert-Butylbenzene	106		96		70-130	10		30
o-Chlorotoluene	105		98		70-130	7		30
p-Chlorotoluene	105		99		70-130	6		30
1,2-Dibromo-3-chloropropane	82		83		68-130	1		30
Hexachlorobutadiene	90		84		67-130	7		30
Isopropylbenzene	106		98		70-130	8		30
p-Isopropyltoluene	107		99		70-130	8		30
Naphthalene	93		93		70-130	0		30
Acrylonitrile	99		98		70-130	1		30
n-Propylbenzene	109		101		70-130	8		30
1,2,3-Trichlorobenzene	94		90		70-130	4		30
1,2,4-Trichlorobenzene	98		93		70-130	5		30
1,3,5-Trimethylbenzene	106		97		70-130	9		30
1,2,4-Trimethylbenzene	105		98		70-130	7		30
1,4-Dioxane	85		88		65-136	3		30
p-Diethylbenzene	108		100		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1812592-3 WG1812592-4								
p-Ethyltoluene	108		99		70-130	9		30
1,2,4,5-Tetramethylbenzene	106		99		70-130	7		30
Ethyl ether	98		97		67-130	1		30
trans-1,4-Dichloro-2-butene	99		100		70-130	1		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1812741-3 WG1812741-4								
Methylene chloride	86		85		70-130	1		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	97		98		70-130	1		30
Carbon tetrachloride	98		95		70-130	3		30
1,2-Dichloropropane	100		99		70-130	1		30
Dibromochloromethane	94		94		70-130	0		30
1,1,2-Trichloroethane	94		92		70-130	2		30
Tetrachloroethene	94		90		70-130	4		30
Chlorobenzene	93		91		70-130	2		30
Trichlorofluoromethane	102		99		70-139	3		30
1,2-Dichloroethane	102		102		70-130	0		30
1,1,1-Trichloroethane	104		102		70-130	2		30
Bromodichloromethane	100		101		70-130	1		30
trans-1,3-Dichloropropene	96		97		70-130	1		30
cis-1,3-Dichloropropene	101		100		70-130	1		30
1,1-Dichloropropene	104		102		70-130	2		30
Bromoform	83		84		70-130	1		30
1,1,2,2-Tetrachloroethane	95		96		70-130	1		30
Benzene	95		94		70-130	1		30
Toluene	90		88		70-130	2		30
Ethylbenzene	92		89		70-130	3		30
Chloromethane	98		97		52-130	1		30
Bromomethane	122		120		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1812741-3 WG1812741-4								
Vinyl chloride	100		96		67-130	4		30
Chloroethane	96		94		50-151	2		30
1,1-Dichloroethene	95		93		65-135	2		30
trans-1,2-Dichloroethene	95		93		70-130	2		30
Trichloroethene	99		98		70-130	1		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	92		91		70-130	1		30
1,4-Dichlorobenzene	91		90		70-130	1		30
Methyl tert butyl ether	94		95		66-130	1		30
p/m-Xylene	92		89		70-130	3		30
o-Xylene	92		90		70-130	2		30
cis-1,2-Dichloroethene	95		93		70-130	2		30
Dibromomethane	102		101		70-130	1		30
Styrene	90		88		70-130	2		30
Dichlorodifluoromethane	96		92		30-146	4		30
Acetone	87		90		54-140	3		30
Carbon disulfide	88		85		59-130	3		30
2-Butanone	90		90		70-130	0		30
Vinyl acetate	102		99		70-130	3		30
4-Methyl-2-pentanone	87		89		70-130	2		30
1,2,3-Trichloropropane	93		93		68-130	0		30
2-Hexanone	81		83		70-130	2		30
Bromochloromethane	96		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1812741-3 WG1812741-4								
2,2-Dichloropropane	99		97		70-130	2		30
1,2-Dibromoethane	96		97		70-130	1		30
1,3-Dichloropropane	95		94		69-130	1		30
1,1,1,2-Tetrachloroethane	95		94		70-130	1		30
Bromobenzene	88		87		70-130	1		30
n-Butylbenzene	101		99		70-130	2		30
sec-Butylbenzene	96		94		70-130	2		30
tert-Butylbenzene	92		90		70-130	2		30
o-Chlorotoluene	92		91		70-130	1		30
p-Chlorotoluene	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	78		82		68-130	5		30
Hexachlorobutadiene	85		84		67-130	1		30
Isopropylbenzene	92		90		70-130	2		30
p-Isopropyltoluene	95		93		70-130	2		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	97		104		70-130	7		30
n-Propylbenzene	95		93		70-130	2		30
1,2,3-Trichlorobenzene	94		93		70-130	1		30
1,2,4-Trichlorobenzene	92		90		70-130	2		30
1,3,5-Trimethylbenzene	93		93		70-130	0		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	99		99		65-136	0		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 04 Batch: WG1812741-3 WG1812741-4								
p-Ethyltoluene	94		92		70-130	2		30
1,2,4,5-Tetramethylbenzene	96		94		70-130	2		30
Ethyl ether	96		96		67-130	0		30
trans-1,4-Dichloro-2-butene	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		110		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	107		104		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 17:06
Analyst: CMM
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	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	190	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	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		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	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	120	J	ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	70.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
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	44.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	170	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	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	210	J	ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	24.	1
2,4-Dichlorophenol	ND		ug/kg	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
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	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	45		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 17:31
Analyst: CMM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	980	95.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	98.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	660	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	31	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	90		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	104		10-136
4-Terphenyl-d14	58		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 17:55
Analyst: JG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	18000	E	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
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	22	J	ug/kg	190	19.	1
Phenanthrene	53	J	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	150	J	ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	19	J	ug/kg	190	18.	1
2-Methylnaphthalene	16000	E	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	**130**	Q	23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	57		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03 D
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/04/23 18:15
Analyst: JG
Percent Solids: 85%

Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	24000		ug/kg	960	120	5
2-Methylnaphthalene	21000		ug/kg	1200	120	5

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 07:08
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

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	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	ND		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	19.	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	22000	E	ug/kg	180	23.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	180	18.	1
Phenanthrene	50	J	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	19	J	ug/kg	110	18.	1
Biphenyl	170	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	77.	1
Dibenzofuran	ND		ug/kg	180	18.	1
2-Methylnaphthalene	19000	E	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	57		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/09/23 15:45
Analyst: LMV
Percent Solids: 87%

Extraction Method: EPA 1633
Extraction Date: 08/03/23 19:20
Cleanup Method: EPA 1633
Cleanup Date: 08/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.746	0.047	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.373	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.186	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.186	0.043	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.186	0.022	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.186	0.055	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.186	0.049	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.298	J	ng/g	0.746	0.261	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.186	0.034	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.186	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.186	0.074	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.186	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.746	0.361	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.186	0.093	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.186	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.186	0.030	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.186	0.040	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.186	0.077	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.186	0.038	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.186	0.049	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.186	0.099	1
PFOA/PFOS, Total	ND		ng/g	0.186	0.049	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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)	70		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	72		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	64		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	78		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	68		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	58		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	52		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	68		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	69		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04 D
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/04/23 18:39
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Naphthalene	30000		ug/kg	1800	230	10
2-Methylnaphthalene	23000		ug/kg	2200	220	10

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 07:32
Analyst: JG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	23	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	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	23	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	2200		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
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	38	J	ug/kg	190	18.	1
Phenanthrene	72	J	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	28	J	ug/kg	110	19.	1
Biphenyl	170	J	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	5200		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	56		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 05:35
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

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	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		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	21.	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	25.	1
Pyrene	ND		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	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	58		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 14:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/03/23 06:22
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 18:22

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	ND		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	220	31.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	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	140	25.	1
Pyrene	ND		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	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	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	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	84.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	64		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-08
Client ID: FB PFAS 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/14/23 17:37
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 08/13/23 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.03	0.964	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.01	0.806	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.51	0.505	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.51	0.444	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.51	0.301	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.51	0.362	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.51	0.655	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.03	2.03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.51	0.407	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.51	0.475	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.51	0.686	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.51	0.610	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.03	2.34	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.51	0.821	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.51	0.655	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.51	0.346	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.51	0.407	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.51	0.814	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.51	0.693	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.51	0.565	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.51	0.399	1
PFOA/PFOS, Total	ND		ng/l	1.51	0.655	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-08
Client ID: FB PFAS 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:20
Date Received: 07/31/23
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		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	85		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	101		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	79		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	58		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/02/23 17:21
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 01:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	83		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/06/23 10:11
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/05/23 19:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:25
Date Received: 07/31/23
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	71		21-120
Phenol-d6	61		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	**124**	Q	10-120
4-Terphenyl-d14	86		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/11/23 12:47
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/07/23 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 00:28
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/01/23 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1810408-1					
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	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	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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 00:28
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/01/23 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1810408-1					
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	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 00:28
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/01/23 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1810408-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
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	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	84		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 11:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 01:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1810627-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 11:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 01:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1810627-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/02/23 11:45
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 01:06

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1810627-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	75		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/09/23 11:02
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 08/03/23 19:20
Cleanup Method: EPA 1633
Cleanup Date: 08/04/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1811608-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/09/23 11:02
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 08/03/23 19:20
Cleanup Method: EPA 1633
Cleanup Date: 08/04/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1811608-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	73		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	74		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	69		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	56		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	62		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	64		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	46		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/06/23 07:58
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/05/23 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1812350-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	0.03	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	0.33	J	ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/06/23 07:58
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/05/23 19:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1812350-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	120		10-120
4-Terphenyl-d14	83		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/11/23 11:44
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/07/23 15:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 09 Batch: WG1812826-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/14/23 16:33
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 08/13/23 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1815240-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/14/23 16:33
Analyst: LMV

Extraction Method: EPA 1633
Extraction Date: 08/13/23 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1815240-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	113		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	88		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	78		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	80		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	93		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	88		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	73		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1810408-2 WG1810408-3								
Acenaphthene	82		90		31-137	9		50
1,2,4-Trichlorobenzene	78		85		38-107	9		50
Hexachlorobenzene	78		84		40-140	7		50
Bis(2-chloroethyl)ether	84		90		40-140	7		50
2-Chloronaphthalene	80		88		40-140	10		50
1,2-Dichlorobenzene	81		86		40-140	6		50
1,3-Dichlorobenzene	79		85		40-140	7		50
1,4-Dichlorobenzene	79		85		28-104	7		50
3,3'-Dichlorobenzidine	71		74		40-140	4		50
2,4-Dinitrotoluene	94		103		40-132	9		50
2,6-Dinitrotoluene	83		92		40-140	10		50
Fluoranthene	86		91		40-140	6		50
4-Chlorophenyl phenyl ether	82		88		40-140	7		50
4-Bromophenyl phenyl ether	80		88		40-140	10		50
Bis(2-chloroisopropyl)ether	92		100		40-140	8		50
Bis(2-chloroethoxy)methane	85		95		40-117	11		50
Hexachlorobutadiene	83		90		40-140	8		50
Hexachlorocyclopentadiene	78		86		40-140	10		50
Hexachloroethane	83		88		40-140	6		50
Isophorone	87		94		40-140	8		50
Naphthalene	83		90		40-140	8		50
Nitrobenzene	87		95		40-140	9		50
NDPA/DPA	86		93		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1810408-2 WG1810408-3								
n-Nitrosodi-n-propylamine	93		101		32-121	8		50
Bis(2-ethylhexyl)phthalate	109		120		40-140	10		50
Butyl benzyl phthalate	99		108		40-140	9		50
Di-n-butylphthalate	97		106		40-140	9		50
Di-n-octylphthalate	113		125		40-140	10		50
Diethyl phthalate	90		100		40-140	11		50
Dimethyl phthalate	80		88		40-140	10		50
Benzo(a)anthracene	90		96		40-140	6		50
Benzo(a)pyrene	101		112		40-140	10		50
Benzo(b)fluoranthene	89		99		40-140	11		50
Benzo(k)fluoranthene	93		104		40-140	11		50
Chrysene	88		98		40-140	11		50
Acenaphthylene	81		88		40-140	8		50
Anthracene	91		96		40-140	5		50
Benzo(ghi)perylene	95		97		40-140	2		50
Fluorene	85		92		40-140	8		50
Phenanthrene	88		93		40-140	6		50
Dibenzo(a,h)anthracene	94		96		40-140	2		50
Indeno(1,2,3-cd)pyrene	96		99		40-140	3		50
Pyrene	87		91		35-142	4		50
Biphenyl	87		94		37-127	8		50
4-Chloroaniline	46		45		40-140	2		50
2-Nitroaniline	90		98		47-134	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1810408-2 WG1810408-3								
3-Nitroaniline	61		61		26-129	0		50
4-Nitroaniline	84		91		41-125	8		50
Dibenzofuran	86		95		40-140	10		50
2-Methylnaphthalene	83		90		40-140	8		50
1,2,4,5-Tetrachlorobenzene	84		91		40-117	8		50
Acetophenone	91		100		14-144	9		50
2,4,6-Trichlorophenol	82		90		30-130	9		50
p-Chloro-m-cresol	87		96		26-103	10		50
2-Chlorophenol	86		93		25-102	8		50
2,4-Dichlorophenol	86		93		30-130	8		50
2,4-Dimethylphenol	86		96		30-130	11		50
2-Nitrophenol	94		104		30-130	10		50
4-Nitrophenol	101		110		11-114	9		50
2,4-Dinitrophenol	73		82		4-130	12		50
4,6-Dinitro-o-cresol	100		106		10-130	6		50
Pentachlorophenol	89		97		17-109	9		50
Phenol	**93**	Q	**100**	Q	26-90	7		50
2-Methylphenol	87		94		30-130.	8		50
3-Methylphenol/4-Methylphenol	86		94		30-130	9		50
2,4,5-Trichlorophenol	85		91		30-130	7		50
Benzoic Acid	48		51		10-110	6		50
Benzyl Alcohol	94		102		40-140	8		50
Carbazole	88		95		54-128	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1810408-2 WG1810408-3								
1,4-Dioxane	69		75		40-140	8		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		89		25-120
Phenol-d6	89		96		10-120
Nitrobenzene-d5	86		95		23-120
2-Fluorobiphenyl	79		87		30-120
2,4,6-Tribromophenol	81		90		10-136
4-Terphenyl-d14	81		88		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1810627-2 WG1810627-3								
Acenaphthene	80		79		37-111	1		30
1,2,4-Trichlorobenzene	93		82		39-98	13		30
Hexachlorobenzene	86		88		40-140	2		30
Bis(2-chloroethyl)ether	85		76		40-140	11		30
2-Chloronaphthalene	90		90		40-140	0		30
1,2-Dichlorobenzene	80		71		40-140	12		30
1,3-Dichlorobenzene	76		69		40-140	10		30
1,4-Dichlorobenzene	81		75		36-97	8		30
3,3'-Dichlorobenzidine	81		80		40-140	1		30
2,4-Dinitrotoluene	88		83		48-143	6		30
2,6-Dinitrotoluene	93		96		40-140	3		30
Fluoranthene	87		82		40-140	6		30
4-Chlorophenyl phenyl ether	86		87		40-140	1		30
4-Bromophenyl phenyl ether	91		89		40-140	2		30
Bis(2-chloroisopropyl)ether	82		76		40-140	8		30
Bis(2-chloroethoxy)methane	90		81		40-140	11		30
Hexachlorobutadiene	85		83		40-140	2		30
Hexachlorocyclopentadiene	86		80		40-140	7		30
Hexachloroethane	79		68		40-140	15		30
Isophorone	84		78		40-140	7		30
Naphthalene	80		77		40-140	4		30
Nitrobenzene	87		79		40-140	10		30
NDPA/DPA	83		86		40-140	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1810627-2 WG1810627-3								
n-Nitrosodi-n-propylamine	91		78		29-132	15		30
Bis(2-ethylhexyl)phthalate	90		89		40-140	1		30
Butyl benzyl phthalate	87		84		40-140	4		30
Di-n-butylphthalate	84		81		40-140	4		30
Di-n-octylphthalate	84		81		40-140	4		30
Diethyl phthalate	83		82		40-140	1		30
Dimethyl phthalate	96		94		40-140	2		30
Benzo(a)anthracene	90		86		40-140	5		30
Benzo(a)pyrene	93		88		40-140	6		30
Benzo(b)fluoranthene	83		84		40-140	1		30
Benzo(k)fluoranthene	92		83		40-140	10		30
Chrysene	90		86		40-140	5		30
Acenaphthylene	97		93		45-123	4		30
Anthracene	86		84		40-140	2		30
Benzo(ghi)perylene	88		82		40-140	7		30
Fluorene	83		85		40-140	2		30
Phenanthrene	84		82		40-140	2		30
Dibenzo(a,h)anthracene	86		80		40-140	7		30
Indeno(1,2,3-cd)pyrene	88		83		40-140	6		30
Pyrene	87		84		26-127	4		30
Biphenyl	85		82		40-140	4		30
4-Chloroaniline	79		71		40-140	11		30
2-Nitroaniline	93		90		52-143	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1810627-2 WG1810627-3								
3-Nitroaniline	75		76		25-145	1		30
4-Nitroaniline	92		89		51-143	3		30
Dibenzofuran	84		88		40-140	5		30
2-Methylnaphthalene	86		87		40-140	1		30
1,2,4,5-Tetrachlorobenzene	84		81		2-134	4		30
Acetophenone	78		66		39-129	17		30
2,4,6-Trichlorophenol	103		102		30-130	1		30
p-Chloro-m-cresol	97		96		23-97	1		30
2-Chlorophenol	87		75		27-123	15		30
2,4-Dichlorophenol	102		93		30-130	9		30
2,4-Dimethylphenol	96		87		30-130	10		30
2-Nitrophenol	90		80		30-130	12		30
4-Nitrophenol	**82**	Q	79		10-80	4		30
2,4-Dinitrophenol	75		87		20-130	15		30
4,6-Dinitro-o-cresol	96		94		20-164	2		30
Pentachlorophenol	96		99		9-103	3		30
Phenol	72		63		12-110	13		30
2-Methylphenol	87		80		30-130	8		30
3-Methylphenol/4-Methylphenol	91		78		30-130	15		30
2,4,5-Trichlorophenol	111		110		30-130	1		30
Benzoic Acid	60		70		10-164	15		30
Benzyl Alcohol	85		75		26-116	13		30
Carbazole	88		85		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

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Lab Number: L2343987

Report Date: 08/17/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1810627-2 WG1810627-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		71		21-120
Phenol-d6	68		60		10-120
Nitrobenzene-d5	88		73		23-120
2-Fluorobiphenyl	89		87		15-120
2,4,6-Tribromophenol	87		89		10-120
4-Terphenyl-d14	79		78		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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): 04 Batch: WG1811608-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	109		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	105		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	108		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	101		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	100		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	102		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	105		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	92		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	98		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	102		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	120		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	122		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	80		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	118		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

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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): 04 Batch: WG1811608-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	76				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	73				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	69				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	72				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	68				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	60				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45				20-150

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1811608-3								
Perfluorobutanoic Acid (PFBA)	110		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	112		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	123		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	123		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	122		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	113		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	118		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	115		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	106		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	111		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	96		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	107		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	93		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	111		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	113		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	137		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	104		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		40-150	-		30

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1811608-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	71				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	72				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	71				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	71				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	73				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	70				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	72				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	55				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	57				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47				20-150

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1812350-2 WG1812350-3								
Acenaphthene	83		89		40-140	7		40
2-Chloronaphthalene	83		90		40-140	8		40
Fluoranthene	98		102		40-140	4		40
Hexachlorobutadiene	83		92		40-140	10		40
Naphthalene	78		86		40-140	10		40
Benzo(a)anthracene	98		104		40-140	6		40
Benzo(a)pyrene	104		109		40-140	5		40
Benzo(b)fluoranthene	100		106		40-140	6		40
Benzo(k)fluoranthene	98		102		40-140	4		40
Chrysene	92		97		40-140	5		40
Acenaphthylene	92		99		40-140	7		40
Anthracene	92		96		40-140	4		40
Benzo(ghi)perylene	96		100		40-140	4		40
Fluorene	89		95		40-140	7		40
Phenanthrene	83		88		40-140	6		40
Dibenzo(a,h)anthracene	94		98		40-140	4		40
Indeno(1,2,3-cd)pyrene	93		98		40-140	5		40
Pyrene	96		100		40-140	4		40
2-Methylnaphthalene	85		92		40-140	8		40
Pentachlorophenol	123		125		40-140	2		40
Hexachlorobenzene	87		92		40-140	6		40
Hexachloroethane	82		92		40-140	11		40

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1812350-2 WG1812350-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		89		21-120
Phenol-d6	70		77		10-120
Nitrobenzene-d5	106		118		23-120
2-Fluorobiphenyl	86		92		15-120
2,4,6-Tribromophenol	**136**	Q	**144**	Q	10-120
4-Terphenyl-d14	87		91		41-149

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 09 Batch: WG1812826-2 WG1812826-3								
1,4-Dioxane	100		100		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	37		42		15-110

Lab Control Sample Analysis
Batch Quality Control

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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): 08 Batch: WG1815240-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	109		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	116		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	115		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	100		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	102		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	108		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	108		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	118		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	68		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	93		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	95		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	100		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

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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): 08 Batch: WG1815240-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	113				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	83				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	98				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	81				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	80				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	60				20-150

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1815240-3								
Perfluorobutanoic Acid (PFBA)	96		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	94		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	108		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	102		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	86		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	76		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	93		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	96		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	90		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	107		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1815240-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	113				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	92				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	88				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	86				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	93				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	69				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	87				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66				20-150

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 19:43
Analyst: JM
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:50
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.2	5.26	1	A
Aroclor 1221	ND		ug/kg	59.2	5.94	1	A
Aroclor 1232	ND		ug/kg	59.2	12.6	1	A
Aroclor 1242	ND		ug/kg	59.2	7.98	1	A
Aroclor 1248	ND		ug/kg	59.2	8.89	1	A
Aroclor 1254	ND		ug/kg	59.2	6.48	1	A
Aroclor 1260	ND		ug/kg	59.2	10.9	1	A
Aroclor 1262	ND		ug/kg	59.2	7.52	1	A
Aroclor 1268	ND		ug/kg	59.2	6.14	1	A
PCBs, Total	ND		ug/kg	59.2	5.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 19:51
Analyst: JM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:50
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.4	5.18	1	A
Aroclor 1221	ND		ug/kg	58.4	5.85	1	A
Aroclor 1232	ND		ug/kg	58.4	12.4	1	A
Aroclor 1242	ND		ug/kg	58.4	7.87	1	A
Aroclor 1248	ND		ug/kg	58.4	8.76	1	A
Aroclor 1254	ND		ug/kg	58.4	6.39	1	A
Aroclor 1260	ND		ug/kg	58.4	10.8	1	A
Aroclor 1262	ND		ug/kg	58.4	7.41	1	A
Aroclor 1268	ND		ug/kg	58.4	6.05	1	A
PCBs, Total	ND		ug/kg	58.4	5.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 20:15
Analyst: JM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:50
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.2	4.99	1	A
Aroclor 1221	ND		ug/kg	56.2	5.63	1	A
Aroclor 1232	ND		ug/kg	56.2	11.9	1	A
Aroclor 1242	ND		ug/kg	56.2	7.57	1	A
Aroclor 1248	ND		ug/kg	56.2	8.42	1	A
Aroclor 1254	ND		ug/kg	56.2	6.14	1	B
Aroclor 1260	ND		ug/kg	56.2	10.4	1	A
Aroclor 1262	ND		ug/kg	56.2	7.13	1	A
Aroclor 1268	ND		ug/kg	56.2	5.82	1	A
PCBs, Total	ND		ug/kg	56.2	4.99	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 20:23
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:50
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.1	4.98	1	A
Aroclor 1221	ND		ug/kg	56.1	5.62	1	A
Aroclor 1232	ND		ug/kg	56.1	11.9	1	A
Aroclor 1242	ND		ug/kg	56.1	7.56	1	A
Aroclor 1248	ND		ug/kg	56.1	8.41	1	A
Aroclor 1254	ND		ug/kg	56.1	6.14	1	B
Aroclor 1260	ND		ug/kg	56.1	10.4	1	A
Aroclor 1262	ND		ug/kg	56.1	7.12	1	A
Aroclor 1268	ND		ug/kg	56.1	5.81	1	A
PCBs, Total	ND		ug/kg	56.1	4.98	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 20:31
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:51
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.5	4.66	1	A
Aroclor 1221	ND		ug/kg	52.5	5.26	1	A
Aroclor 1232	ND		ug/kg	52.5	11.1	1	A
Aroclor 1242	ND		ug/kg	52.5	7.08	1	A
Aroclor 1248	ND		ug/kg	52.5	7.88	1	A
Aroclor 1254	ND		ug/kg	52.5	5.74	1	B
Aroclor 1260	ND		ug/kg	52.5	9.70	1	A
Aroclor 1262	ND		ug/kg	52.5	6.67	1	A
Aroclor 1268	ND		ug/kg	52.5	5.44	1	A
PCBs, Total	ND		ug/kg	52.5	4.66	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 19:59
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:51
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.4	4.74	1	A
Aroclor 1221	ND		ug/kg	53.4	5.35	1	A
Aroclor 1232	ND		ug/kg	53.4	11.3	1	A
Aroclor 1242	ND		ug/kg	53.4	7.20	1	A
Aroclor 1248	ND		ug/kg	53.4	8.02	1	A
Aroclor 1254	ND		ug/kg	53.4	5.84	1	A
Aroclor 1260	ND		ug/kg	53.4	9.87	1	A
Aroclor 1262	ND		ug/kg	53.4	6.79	1	A
Aroclor 1268	ND		ug/kg	53.4	5.54	1	A
PCBs, Total	ND		ug/kg	53.4	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 14:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/02/23 20:07
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 15:51
Cleanup Method: EPA 3665A
Cleanup Date: 08/02/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.4	4.74	1	A
Aroclor 1221	ND		ug/kg	53.4	5.35	1	A
Aroclor 1232	ND		ug/kg	53.4	11.3	1	A
Aroclor 1242	ND		ug/kg	53.4	7.20	1	A
Aroclor 1248	ND		ug/kg	53.4	8.01	1	A
Aroclor 1254	ND		ug/kg	53.4	5.84	1	A
Aroclor 1260	ND		ug/kg	53.4	9.87	1	A
Aroclor 1262	ND		ug/kg	53.4	6.78	1	A
Aroclor 1268	ND		ug/kg	53.4	5.53	1	A
PCBs, Total	ND		ug/kg	53.4	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/03/23 15:54
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/03/23 02:07
Cleanup Method: EPA 3665A
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

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	86		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/01/23 23:57
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 07/31/23 21:53
Cleanup Method: EPA 3665A
Cleanup Date: 08/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/01/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1810497-1						
Aroclor 1016	ND		ug/kg	45.9	4.08	A
Aroclor 1221	ND		ug/kg	45.9	4.60	A
Aroclor 1232	ND		ug/kg	45.9	9.73	A
Aroclor 1242	ND		ug/kg	45.9	6.19	A
Aroclor 1248	ND		ug/kg	45.9	6.89	A
Aroclor 1254	ND		ug/kg	45.9	5.02	A
Aroclor 1260	ND		ug/kg	45.9	8.48	A
Aroclor 1262	ND		ug/kg	45.9	5.83	A
Aroclor 1268	ND		ug/kg	45.9	4.76	A
PCBs, Total	ND		ug/kg	45.9	4.08	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/03/23 14:43
Analyst: KB

Extraction Method: EPA 3510C
Extraction Date: 08/03/23 02:07
Cleanup Method: EPA 3665A
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1811150-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1810497-2 WG1810497-3									
Aroclor 1016	96		85		40-140	12		50	A
Aroclor 1260	100		88		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		78		30-150	A
Decachlorobiphenyl	96		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		80		30-150	B
Decachlorobiphenyl	99		88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1811150-2 WG1811150-3									
Aroclor 1016	73		64		40-140	13		50	A
Aroclor 1260	68		59		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		66		30-150	A
Decachlorobiphenyl	84		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		65		30-150	B
Decachlorobiphenyl	76		71		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 13:52
Analyst: MMG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.00	0.392	1	A
Lindane	ND		ug/kg	0.834	0.373	1	A
Alpha-BHC	ND		ug/kg	0.834	0.237	1	A
Beta-BHC	ND		ug/kg	2.00	0.759	1	A
Heptachlor	ND		ug/kg	1.00	0.449	1	A
Aldrin	ND		ug/kg	2.00	0.705	1	A
Heptachlor epoxide	ND		ug/kg	3.75	1.12	1	A
Endrin	ND		ug/kg	0.834	0.342	1	A
Endrin aldehyde	ND		ug/kg	2.50	0.876	1	A
Endrin ketone	ND		ug/kg	2.00	0.515	1	A
Dieldrin	ND		ug/kg	1.25	0.625	1	A
4,4'-DDE	ND		ug/kg	2.00	0.463	1	A
4,4'-DDD	ND		ug/kg	2.00	0.714	1	A
4,4'-DDT	ND		ug/kg	2.00	1.61	1	A
Endosulfan I	ND		ug/kg	2.00	0.473	1	A
Endosulfan II	ND		ug/kg	2.00	0.669	1	A
Endosulfan sulfate	ND		ug/kg	0.834	0.397	1	A
Methoxychlor	ND		ug/kg	3.75	1.17	1	A
Toxaphene	ND		ug/kg	37.5	10.5	1	A
cis-Chlordane	ND		ug/kg	2.50	0.697	1	A
trans-Chlordane	ND		ug/kg	2.50	0.660	1	A
Chlordane	ND		ug/kg	16.7	6.63	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
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	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 14:03
Analyst: MMG
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.98	0.388	1	A
Lindane	ND		ug/kg	0.826	0.369	1	A
Alpha-BHC	ND		ug/kg	0.826	0.234	1	A
Beta-BHC	ND		ug/kg	1.98	0.751	1	A
Heptachlor	ND		ug/kg	0.991	0.444	1	A
Aldrin	ND		ug/kg	1.98	0.698	1	A
Heptachlor epoxide	ND		ug/kg	3.72	1.11	1	A
Endrin	ND		ug/kg	0.826	0.338	1	A
Endrin aldehyde	ND		ug/kg	2.48	0.867	1	A
Endrin ketone	ND		ug/kg	1.98	0.510	1	A
Dieldrin	ND		ug/kg	1.24	0.619	1	A
4,4'-DDE	ND		ug/kg	1.98	0.458	1	A
4,4'-DDD	ND		ug/kg	1.98	0.707	1	A
4,4'-DDT	ND		ug/kg	1.98	1.59	1	A
Endosulfan I	ND		ug/kg	1.98	0.468	1	A
Endosulfan II	ND		ug/kg	1.98	0.662	1	A
Endosulfan sulfate	ND		ug/kg	0.826	0.393	1	A
Methoxychlor	ND		ug/kg	3.72	1.16	1	A
Toxaphene	ND		ug/kg	37.2	10.4	1	A
cis-Chlordane	ND		ug/kg	2.48	0.690	1	A
trans-Chlordane	ND		ug/kg	2.48	0.654	1	A
Chlordane	ND		ug/kg	16.5	6.56	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
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	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:20
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 14:15
Analyst: MMG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.740	0.331	1	A
Alpha-BHC	ND		ug/kg	0.740	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.673	1	A
Heptachlor	ND		ug/kg	0.888	0.398	1	A
Aldrin	ND		ug/kg	1.78	0.625	1	A
Heptachlor epoxide	ND		ug/kg	3.33	0.999	1	A
Endrin	ND		ug/kg	0.740	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.777	1	A
Endrin ketone	ND		ug/kg	1.78	0.457	1	A
Dieldrin	ND		ug/kg	1.11	0.555	1	A
4,4'-DDE	ND		ug/kg	1.78	0.410	1	A
4,4'-DDD	ND		ug/kg	1.78	0.633	1	A
4,4'-DDT	ND		ug/kg	1.78	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.419	1	A
Endosulfan II	ND		ug/kg	1.78	0.593	1	A
Endosulfan sulfate	ND		ug/kg	0.740	0.352	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.32	1	A
cis-Chlordane	ND		ug/kg	2.22	0.618	1	A
trans-Chlordane	ND		ug/kg	2.22	0.586	1	A
Chlordane	ND		ug/kg	14.8	5.88	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
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	79		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 16:08
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

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	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	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		ug/kg	1.08	0.541	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	0.409	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		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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	80		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 16:19
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.358	1	A
Lindane	ND		ug/kg	0.762	0.341	1	A
Alpha-BHC	ND		ug/kg	0.762	0.216	1	A
Beta-BHC	ND		ug/kg	1.83	0.694	1	A
Heptachlor	ND		ug/kg	0.915	0.410	1	A
Aldrin	ND		ug/kg	1.83	0.644	1	A
Heptachlor epoxide	ND		ug/kg	3.43	1.03	1	A
Endrin	ND		ug/kg	0.762	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.800	1	A
Endrin ketone	ND		ug/kg	1.83	0.471	1	A
Dieldrin	ND		ug/kg	1.14	0.572	1	A
4,4'-DDE	ND		ug/kg	1.83	0.423	1	A
4,4'-DDD	ND		ug/kg	1.83	0.652	1	A
4,4'-DDT	ND		ug/kg	1.83	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.432	1	A
Endosulfan II	ND		ug/kg	1.83	0.611	1	A
Endosulfan sulfate	ND		ug/kg	0.762	0.363	1	A
Methoxychlor	ND		ug/kg	3.43	1.07	1	A
Toxaphene	ND		ug/kg	34.3	9.60	1	A
cis-Chlordane	ND		ug/kg	2.29	0.637	1	A
trans-Chlordane	ND		ug/kg	2.29	0.604	1	A
Chlordane	ND		ug/kg	15.2	6.06	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:50
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 16:31
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.959	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.06	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	1.70	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.95	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 14:10
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/03/23 16:42
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.341	1	A
Lindane	ND		ug/kg	0.725	0.324	1	A
Alpha-BHC	ND		ug/kg	0.725	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.660	1	A
Heptachlor	ND		ug/kg	0.870	0.390	1	A
Aldrin	ND		ug/kg	1.74	0.613	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.979	1	A
Endrin	ND		ug/kg	0.725	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.761	1	A
Endrin ketone	ND		ug/kg	1.74	0.448	1	A
Dieldrin	ND		ug/kg	1.09	0.544	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.621	1	A
4,4'-DDT	ND		ug/kg	1.74	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.411	1	A
Endosulfan II	ND		ug/kg	1.74	0.582	1	A
Endosulfan sulfate	ND		ug/kg	0.725	0.345	1	A
Methoxychlor	ND		ug/kg	3.26	1.02	1	A
Toxaphene	ND		ug/kg	32.6	9.14	1	A
cis-Chlordane	ND		ug/kg	2.18	0.606	1	A
trans-Chlordane	ND		ug/kg	2.18	0.574	1	A
Chlordane	ND		ug/kg	14.5	5.76	1	A

Project Name: SA 101 E 150TH
Lab Number: L2343987
Project Number: 41.0163097.00
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/03/23 13:01
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 16:08

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:25
Date Received: 07/31/23
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	43		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/03/23 11:12
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1810522-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.653	0.292	A
Alpha-BHC	ND		ug/kg	0.653	0.185	A
Beta-BHC	ND		ug/kg	1.57	0.594	A
Heptachlor	ND		ug/kg	0.783	0.351	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.881	A
Endrin	ND		ug/kg	0.653	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.685	A
Endrin ketone	ND		ug/kg	1.57	0.403	A
Dieldrin	ND		ug/kg	0.979	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.362	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	1.57	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.523	A
Endosulfan sulfate	ND		ug/kg	0.653	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.914	A
Toxaphene	ND		ug/kg	29.4	8.22	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.517	A
Chlordane	ND		ug/kg	13.0	5.19	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/03/23 11:12
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/01/23 16:29
Cleanup Method: EPA 3620B
Cleanup Date: 08/03/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/03/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1810522-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/03/23 12:17
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1811066-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/03/23 12:17
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/02/23 16:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1811066-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	59		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1810522-2 WG1810522-3									
Delta-BHC	74		80		30-150	8		30	A
Lindane	66		72		30-150	9		30	A
Alpha-BHC	73		80		30-150	9		30	A
Beta-BHC	76		83		30-150	9		30	A
Heptachlor	70		78		30-150	11		30	A
Aldrin	65		73		30-150	12		30	A
Heptachlor epoxide	61		67		30-150	9		30	A
Endrin	70		78		30-150	11		30	A
Endrin aldehyde	48		53		30-150	10		30	A
Endrin ketone	66		72		30-150	9		30	A
Dieldrin	71		80		30-150	12		30	A
4,4'-DDE	64		72		30-150	12		30	A
4,4'-DDD	72		80		30-150	11		30	A
4,4'-DDT	74		82		30-150	10		30	A
Endosulfan I	65		72		30-150	10		30	A
Endosulfan II	69		76		30-150	10		30	A
Endosulfan sulfate	55		60		30-150	9		30	A
Methoxychlor	70		78		30-150	11		30	A
cis-Chlordane	68		76		30-150	11		30	A
trans-Chlordane	76		84		30-150	10		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1810522-2 WG1810522-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		67		30-150	A
Decachlorobiphenyl	72		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		65		30-150	B
Decachlorobiphenyl	69		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1811066-2 WG1811066-3									
Delta-BHC	66		64		30-150	3		20	A
Lindane	68		65		30-150	4		20	A
Alpha-BHC	75		71		30-150	6		20	A
Beta-BHC	66		63		30-150	5		20	A
Heptachlor	70		68		30-150	2		20	A
Aldrin	68		64		30-150	6		20	A
Heptachlor epoxide	69		64		30-150	7		20	A
Endrin	68		64		30-150	5		20	A
Endrin aldehyde	52		49		30-150	4		20	A
Endrin ketone	72		69		30-150	4		20	A
Dieldrin	75		70		30-150	7		20	A
4,4'-DDE	66		63		30-150	4		20	A
4,4'-DDD	72		68		30-150	6		20	A
4,4'-DDT	71		68		30-150	5		20	A
Endosulfan I	71		65		30-150	8		20	A
Endosulfan II	69		66		30-150	5		20	A
Endosulfan sulfate	65		63		30-150	4		20	A
Methoxychlor	72		68		30-150	5		20	A
cis-Chlordane	62		60		30-150	2		20	A
trans-Chlordane	75		72		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1811066-2 WG1811066-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		60		30-150	A
Decachlorobiphenyl	68		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		68		30-150	B
Decachlorobiphenyl	68		62		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 07:55
Date Received: 07/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4020		mg/kg	9.77	2.64	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.88	0.371	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.921	J	mg/kg	0.977	0.203	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Barium, Total	19.5		mg/kg	0.977	0.170	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.320	J	mg/kg	0.488	0.032	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.108	J	mg/kg	0.977	0.096	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Calcium, Total	554		mg/kg	9.77	3.42	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Chromium, Total	8.05		mg/kg	1.01	0.097	2	08/14/23 08:57	08/14/23 16:01	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.54		mg/kg	1.95	0.162	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Copper, Total	7.02		mg/kg	0.977	0.252	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Iron, Total	8160		mg/kg	4.88	0.882	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Lead, Total	6.57		mg/kg	4.88	0.262	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Magnesium, Total	1740		mg/kg	9.77	1.50	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Manganese, Total	163		mg/kg	0.977	0.155	2	08/02/23 22:00	08/12/23 09:45	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.093	0.060	1	08/02/23 23:15	08/11/23 16:16	EPA 7471B	1,7471B	GMG
Nickel, Total	8.20		mg/kg	2.53	0.244	2	08/14/23 08:57	08/15/23 12:29	EPA 3050B	1,6010D	DMB
Potassium, Total	541		mg/kg	244	14.1	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.95	0.252	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.488	0.276	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Sodium, Total	77.4	J	mg/kg	195	3.08	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.95	0.308	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Vanadium, Total	10.6		mg/kg	0.977	0.198	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW
Zinc, Total	16.8		mg/kg	4.88	0.286	2	08/02/23 22:00	08/11/23 23:26	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:10
Date Received: 07/31/23
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	3970		mg/kg	9.51	2.57	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.76	0.361	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.936	J	mg/kg	0.951	0.198	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Barium, Total	15.1		mg/kg	0.951	0.165	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.315	J	mg/kg	0.476	0.031	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.951	0.093	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Calcium, Total	683		mg/kg	9.51	3.33	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Chromium, Total	7.65		mg/kg	0.944	0.091	2	08/14/23 08:57	08/14/23 16:06	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.90		mg/kg	1.90	0.158	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Copper, Total	6.68		mg/kg	0.951	0.245	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Iron, Total	8300		mg/kg	4.76	0.859	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Lead, Total	4.73	J	mg/kg	4.76	0.255	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Magnesium, Total	1900		mg/kg	9.51	1.46	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Manganese, Total	120		mg/kg	0.951	0.151	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Mercury, Total	ND		mg/kg	0.081	0.053	1	08/02/23 23:15	08/11/23 15:43	EPA 7471B	1,7471B	GMG
Nickel, Total	7.56		mg/kg	2.36	0.228	2	08/14/23 08:57	08/15/23 12:32	EPA 3050B	1,6010D	DMB
Potassium, Total	576		mg/kg	238	13.7	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.90	0.245	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.476	0.269	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Sodium, Total	91.5	J	mg/kg	190	3.00	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.90	0.300	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Vanadium, Total	10.7		mg/kg	0.951	0.193	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW
Zinc, Total	17.8		mg/kg	4.76	0.279	2	08/02/23 22:00	08/11/23 22:18	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:20
Date Received: 07/31/23
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	4210		mg/kg	9.38	2.53	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.69	0.357	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.578	J	mg/kg	0.938	0.195	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Barium, Total	18.0		mg/kg	0.938	0.163	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.327	J	mg/kg	0.469	0.031	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.098	J	mg/kg	0.938	0.092	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Calcium, Total	486		mg/kg	9.38	3.28	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Chromium, Total	7.32		mg/kg	0.910	0.087	2	08/14/23 08:57	08/14/23 16:20	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.69		mg/kg	1.88	0.156	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Copper, Total	6.21		mg/kg	0.938	0.242	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Iron, Total	7530		mg/kg	4.69	0.847	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Lead, Total	14.2		mg/kg	4.69	0.252	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Magnesium, Total	1890		mg/kg	9.38	1.44	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Manganese, Total	129		mg/kg	0.938	0.149	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Mercury, Total	ND		mg/kg	0.081	0.053	1	08/02/23 23:15	08/11/23 15:46	EPA 7471B	1,7471B	GMG
Nickel, Total	7.77		mg/kg	2.28	0.220	2	08/14/23 08:57	08/15/23 12:35	EPA 3050B	1,6010D	DMB
Potassium, Total	673		mg/kg	235	13.5	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.88	0.242	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.469	0.266	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Sodium, Total	67.6	J	mg/kg	188	2.96	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.88	0.296	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Vanadium, Total	9.07		mg/kg	0.938	0.190	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW
Zinc, Total	17.9		mg/kg	4.69	0.275	2	08/02/23 22:00	08/11/23 22:22	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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	3620		mg/kg	8.88	2.40	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.44	0.337	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.684	J	mg/kg	0.888	0.185	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Barium, Total	14.1		mg/kg	0.888	0.154	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.278	J	mg/kg	0.444	0.029	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.095	J	mg/kg	0.888	0.087	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Calcium, Total	556		mg/kg	8.88	3.11	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Chromium, Total	7.71		mg/kg	0.878	0.084	2	08/14/23 08:57	08/14/23 16:25	EPA 3050B	1,6010D	EJF
Cobalt, Total	4.25		mg/kg	1.78	0.147	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Copper, Total	5.86		mg/kg	0.888	0.229	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Iron, Total	7300		mg/kg	4.44	0.802	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Lead, Total	19.1		mg/kg	4.44	0.238	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Magnesium, Total	1650		mg/kg	8.88	1.37	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Manganese, Total	115		mg/kg	0.888	0.141	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Mercury, Total	ND		mg/kg	0.077	0.050	1	08/02/23 23:15	08/11/23 15:49	EPA 7471B	1,7471B	GMG
Nickel, Total	7.70		mg/kg	2.20	0.212	2	08/14/23 08:57	08/15/23 12:39	EPA 3050B	1,6010D	DMB
Potassium, Total	552		mg/kg	222	12.8	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.78	0.229	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.444	0.251	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Sodium, Total	61.3	J	mg/kg	178	2.80	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.78	0.280	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Vanadium, Total	9.18		mg/kg	0.888	0.180	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW
Zinc, Total	16.5		mg/kg	4.44	0.260	2	08/02/23 22:00	08/11/23 22:27	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 08:50
Date Received: 07/31/23
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	3840		mg/kg	9.01	2.43	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.50	0.342	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.487	J	mg/kg	0.901	0.187	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Barium, Total	18.1		mg/kg	0.901	0.157	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.308	J	mg/kg	0.450	0.030	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.901	0.088	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Calcium, Total	510		mg/kg	9.01	3.15	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Chromium, Total	7.19		mg/kg	0.902	0.087	2	08/14/23 08:57	08/14/23 16:29	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.30		mg/kg	1.80	0.150	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Copper, Total	5.50		mg/kg	0.901	0.232	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Iron, Total	6770		mg/kg	4.50	0.814	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Lead, Total	14.9		mg/kg	4.50	0.242	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Magnesium, Total	1570		mg/kg	9.01	1.39	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Manganese, Total	71.9		mg/kg	0.901	0.143	2	08/02/23 22:00	08/12/23 09:32	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.080	0.052	1	08/02/23 23:15	08/11/23 15:52	EPA 7471B	1,7471B	GMG
Nickel, Total	6.76		mg/kg	2.26	0.218	2	08/14/23 08:57	08/15/23 12:42	EPA 3050B	1,6010D	DMB
Potassium, Total	597		mg/kg	225	13.0	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.80	0.232	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.450	0.255	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Sodium, Total	72.8	J	mg/kg	180	2.84	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Thallium, Total	0.294	J	mg/kg	1.80	0.284	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Vanadium, Total	7.83		mg/kg	0.901	0.183	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW
Zinc, Total	14.9		mg/kg	4.50	0.264	2	08/02/23 22:00	08/11/23 22:41	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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	6730		mg/kg	8.31	2.24	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Antimony, Total	0.441	J	mg/kg	4.15	0.316	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Arsenic, Total	0.981		mg/kg	0.831	0.173	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Barium, Total	47.5		mg/kg	0.831	0.144	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.478		mg/kg	0.415	0.027	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.095	J	mg/kg	0.831	0.081	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Calcium, Total	932		mg/kg	8.31	2.91	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Chromium, Total	9.33		mg/kg	0.857	0.082	2	08/14/23 08:57	08/14/23 16:35	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.28		mg/kg	1.66	0.138	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Copper, Total	4.95		mg/kg	0.831	0.214	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Iron, Total	7370		mg/kg	4.15	0.750	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Lead, Total	6.03		mg/kg	4.15	0.223	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Magnesium, Total	1500		mg/kg	8.31	1.28	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Manganese, Total	600		mg/kg	0.831	0.132	2	08/02/23 22:00	08/12/23 09:36	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.076	0.049	1	08/02/23 23:15	08/11/23 16:02	EPA 7471B	1,7471B	GMG
Nickel, Total	6.28		mg/kg	2.14	0.207	2	08/14/23 08:57	08/15/23 12:45	EPA 3050B	1,6010D	DMB
Potassium, Total	348		mg/kg	208	12.0	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.415	0.235	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Sodium, Total	64.2	J	mg/kg	166	2.62	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.66	0.262	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Vanadium, Total	9.88		mg/kg	0.831	0.169	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW
Zinc, Total	18.1		mg/kg	4.15	0.243	2	08/02/23 22:00	08/11/23 22:46	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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	5700		mg/kg	8.43	2.28	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Arsenic, Total	1.18		mg/kg	0.843	0.175	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Barium, Total	27.4		mg/kg	0.843	0.147	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Beryllium, Total	0.317	J	mg/kg	0.421	0.028	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.092	J	mg/kg	0.843	0.083	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Calcium, Total	668		mg/kg	8.43	2.95	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Chromium, Total	8.33		mg/kg	0.875	0.084	2	08/14/23 08:57	08/14/23 16:39	EPA 3050B	1,6010D	EJF
Cobalt, Total	3.65		mg/kg	1.68	0.140	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Copper, Total	5.48		mg/kg	0.843	0.217	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Iron, Total	8260		mg/kg	4.21	0.761	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Lead, Total	12.7		mg/kg	4.21	0.226	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Magnesium, Total	1660		mg/kg	8.43	1.30	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Manganese, Total	287		mg/kg	0.843	0.134	2	08/02/23 22:00	08/12/23 09:41	EPA 3050B	1,6010D	MRC
Mercury, Total	0.060	J	mg/kg	0.075	0.049	1	08/02/23 23:15	08/11/23 16:06	EPA 7471B	1,7471B	GMG
Nickel, Total	6.40		mg/kg	2.19	0.212	2	08/14/23 08:57	08/15/23 12:49	EPA 3050B	1,6010D	DMB
Potassium, Total	381		mg/kg	211	12.1	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.421	0.238	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Sodium, Total	65.6	J	mg/kg	168	2.66	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Thallium, Total	ND		mg/kg	1.68	0.266	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Vanadium, Total	11.0		mg/kg	0.843	0.171	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW
Zinc, Total	19.9		mg/kg	4.21	0.247	2	08/02/23 22:00	08/11/23 22:50	EPA 3050B	1,6010D	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-09
Client ID: FB 2023-07-31
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 07/31/23 13:25
Date Received: 07/31/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Barium, Total	0.00052		mg/l	0.00050	0.00017	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Calcium, Total	0.0438	J	mg/l	0.100	0.0394	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/01/23 12:39	08/03/23 01:36	EPA 7470A	1,7470A	DHL
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Sodium, Total	0.223		mg/l	0.100	0.0293	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/01/23 11:23	08/02/23 18:29	EPA 3005A	1,6020B	EJF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

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): 09 Batch: WG1810134-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/01/23 11:23	08/02/23 18:20	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/01/23 11:23	08/02/23 18:20	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): 09 Batch: WG1810135-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/01/23 12:39	08/03/23 01:09	1,7470A	DHL

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

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): 01-07 Batch: WG1810373-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Iron, Total	15.9		mg/kg	2.00	0.361	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Manganese, Total	0.198	J	mg/kg	0.400	0.064	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Nickel, Total	1.08		mg/kg	1.00	0.097	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Potassium, Total	ND		mg/kg	100	5.76	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Silver, Total	ND		mg/kg	0.200	0.113	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Sodium, Total	5.66	J	mg/kg	80.0	1.26	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Vanadium, Total	0.116	J	mg/kg	0.400	0.081	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/02/23 22:00	08/12/23 07:47	1,6010D	MRC

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2343987
Report Date: 08/17/23

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): 01-07 Batch: WG1810376-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/02/23 23:15	08/11/23 16:09	1,7471B	GMG

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): 01-07 Batch: WG1815441-1										
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/14/23 08:57	08/14/23 14:13	1,6010D	EJF
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/14/23 08:57	08/15/23 11:18	1,6010D	DMB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1810134-2								
Aluminum, Total	102		-		80-120	-		
Antimony, Total	90		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	103		-		80-120	-		
Beryllium, Total	107		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	97		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	104		-		80-120	-		
Magnesium, Total	105		-		80-120	-		
Manganese, Total	102		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	104		-		80-120	-		
Selenium, Total	109		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	107		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1810134-2					
Zinc, Total	102	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1810135-2					
Mercury, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1810373-2 SRM Lot Number: D119-540					
Aluminum, Total	86	-	48-152	-	
Antimony, Total	106	-	10-190	-	
Arsenic, Total	103	-	83-117	-	
Barium, Total	96	-	82-118	-	
Beryllium, Total	100	-	83-117	-	
Cadmium, Total	91	-	82-117	-	
Calcium, Total	98	-	81-118	-	
Cobalt, Total	101	-	83-117	-	
Copper, Total	100	-	84-116	-	
Iron, Total	118	-	60-140	-	
Lead, Total	107	-	82-118	-	
Magnesium, Total	97	-	76-124	-	
Manganese, Total	100	-	82-118	-	
Nickel, Total	108	-	82-117	-	
Potassium, Total	94	-	70-130	-	
Selenium, Total	106	-	79-121	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	102	-	74-126	-	
Thallium, Total	101	-	81-119	-	
Vanadium, Total	100	-	79-121	-	
Zinc, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1810376-2 SRM Lot Number: D119-540					
Mercury, Total	101	-	73-127	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1815441-2 SRM Lot Number: D119-540					
Chromium, Total	106	-	82-119	-	
Nickel, Total	100	-	82-117	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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): 09 QC Batch ID: WG1810134-3 QC Sample: L2344034-01 Client ID: MS Sample												
Aluminum, Total	0.028	2	1.92	95		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.4928	98		-	-		75-125	-		20
Arsenic, Total	0.00186	0.12	0.1225	100		-	-		75-125	-		20
Barium, Total	0.1391	2	2.080	97		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05282	106		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.05282	100		-	-		75-125	-		20
Calcium, Total	75.7	10	76.1	**4**	Q	-	-		75-125	-		20
Chromium, Total	0.00451	0.2	0.1936	94		-	-		75-125	-		20
Cobalt, Total	0.0029	0.5	0.4833	96		-	-		75-125	-		20
Copper, Total	0.0044	0.25	0.2501	98		-	-		75-125	-		20
Iron, Total	50.0	1	48.8	**0**	Q	-	-		75-125	-		20
Lead, Total	0.00144	0.53	0.5256	99		-	-		75-125	-		20
Magnesium, Total	5.07	10	14.3	92		-	-		75-125	-		20
Manganese, Total	0.4726	0.5	0.8811	82		-	-		75-125	-		20
Nickel, Total	0.0103	0.5	0.4868	95		-	-		75-125	-		20
Potassium, Total	11.4	10	19.7	83		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.118	98		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05084	102		-	-		75-125	-		20
Sodium, Total	15.4	10	23.8	84		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1205	100		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4734	95		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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): 09 QC Batch ID: WG1810134-3 QC Sample: L2344034-01 Client ID: MS Sample									
Zinc, Total	0.0124	0.5	0.4943	96	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1810135-3 QC Sample: L2344034-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00502	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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): 01-07 QC Batch ID: WG1810373-3 QC Sample: L2343987-01 Client ID: EP-23 (8' BGS)										
Aluminum, Total	4020	198	4660	**324**	Q	-	-	75-125	-	20
Antimony, Total	ND	49.4	31.3	**63**	Q	-	-	75-125	-	20
Arsenic, Total	0.921J	11.8	12.3	104		-	-	75-125	-	20
Barium, Total	19.5	198	191	87		-	-	75-125	-	20
Beryllium, Total	0.320J	4.94	4.94	100		-	-	75-125	-	20
Cadmium, Total	0.108J	5.23	5.05	96		-	-	75-125	-	20
Calcium, Total	554	988	1500	96		-	-	75-125	-	20
Cobalt, Total	3.54	49.4	51.4	97		-	-	75-125	-	20
Copper, Total	7.02	24.7	29.3	90		-	-	75-125	-	20
Iron, Total	8160	98.8	9250	**1100**	Q	-	-	75-125	-	20
Lead, Total	6.57	52.3	56.4	95		-	-	75-125	-	20
Magnesium, Total	1740	988	2760	103		-	-	75-125	-	20
Manganese, Total	163	49.4	222	119		-	-	75-125	-	20
Nickel, Total	7.31B	49.4	54.3	95		-	-	75-125	-	20
Potassium, Total	541	988	1530	100		-	-	75-125	-	20
Selenium, Total	ND	11.8	11.5	97		-	-	75-125	-	20
Silver, Total	ND	4.94	4.09	83		-	-	75-125	-	20
Sodium, Total	77.4J	988	958	97		-	-	75-125	-	20
Thallium, Total	ND	11.8	11.3	95		-	-	75-125	-	20
Vanadium, Total	10.6	49.4	57.8	96		-	-	75-125	-	20
Zinc, Total	16.8	49.4	64.6	97		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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): 01-07 QC Batch ID: WG1810376-3 QC Sample: L2343987-01 Client ID: EP-23 (8' BGS)										
Mercury, Total	ND	1.8	1.78	99		-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1815441-3 QC Sample: L2342825-01 Client ID: MS Sample										
Chromium, Total	16.2	16.5	37.2	**127**	Q	-	-	75-125	-	20
Nickel, Total	15.3	41.3	83.1	**164**	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1810134-4 QC Sample: L2344034-01 Client ID: DUP Sample						
Arsenic, Total	0.00186	0.00204	mg/l	9		20
Barium, Total	0.1391	0.1375	mg/l	1		20
Cadmium, Total	ND	0.00006J	mg/l	NC		20
Chromium, Total	0.00451	0.00453	mg/l	0		20
Lead, Total	0.00144	0.00143	mg/l	1		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1810135-4 QC Sample: L2344034-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1810373-4 QC Sample: L2343987-01 Client ID: EP-23 (8' BGS)					
Aluminum, Total	4020	3760	mg/kg	7	20
Antimony, Total	ND	0.408J	mg/kg	NC	20
Arsenic, Total	0.921J	0.724J	mg/kg	NC	20
Barium, Total	19.5	17.5	mg/kg	11	20
Beryllium, Total	0.320J	0.296J	mg/kg	NC	20
Cadmium, Total	0.108J	0.10J	mg/kg	NC	20
Calcium, Total	554	533	mg/kg	4	20
Cobalt, Total	3.54	3.52	mg/kg	1	20
Copper, Total	7.02	6.46	mg/kg	8	20
Iron, Total	8160	7930	mg/kg	3	20
Lead, Total	6.57	5.76	mg/kg	13	20
Magnesium, Total	1740	1680	mg/kg	4	20
Potassium, Total	541	482	mg/kg	12	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	77.4J	77.2J	mg/kg	NC	20
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	10.6	10.3	mg/kg	3	20
Zinc, Total	16.8	16.4	mg/kg	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1810373-4 QC Sample: L2343987-01 Client ID: EP-23 (8' BGS)					
Manganese, Total	163	166	mg/kg	2	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1810376-4 QC Sample: L2343987-01 Client ID: EP-23 (8' BGS)					
Mercury, Total	ND	ND	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1815441-4 QC Sample: L2342825-01 Client ID: DUP Sample					
Chromium, Total	16.2	18.7	mg/kg	14	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1815441-4 QC Sample: L2342825-01 Client ID: DUP Sample					
Nickel, Total	15.3	15.2	mg/kg	1	20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-01
Client ID: EP-23 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 07:55
Date Received: 07/31/23
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	79.1		%	0.100	NA	1	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-02
Client ID: EP-24 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:10
Date Received: 07/31/23
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	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-03
Client ID: EP-22 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:20
Date Received: 07/31/23
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	84.7		%	0.100	NA	1	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-04
Client ID: EP-21 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:35
Date Received: 07/31/23
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	87.3		%	0.100	NA	1	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-05
Client ID: EP-25 (8' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 08:50
Date Received: 07/31/23
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	87.1		%	0.100	NA	1	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-06
Client ID: EP-03 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 13:50
Date Received: 07/31/23
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	91.2		%	0.100	NA	1	-	08/01/23 07:40	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

SAMPLE RESULTS

Lab ID: L2343987-07
Client ID: EP-04 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 07/31/23 14:10
Date Received: 07/31/23
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	-	08/01/23 07:40	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2343987

Report Date: 08/17/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1810157-1 QC Sample: L2342237-03 Client ID: DUP Sample						
Solids, Total	88.3	90.7	%	3		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343987-01A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-01B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-01C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-01D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-01D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-01E	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),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2343987-01F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)
L2343987-01G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-02A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-02B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-02C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-02D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-02D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-02E	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),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2343987-02F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343987-02G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-03A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-03B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-03C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-03D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-03D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2343987-03F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)
L2343987-03G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-04A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-04B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-04C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-04D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-04D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-04E	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),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2343987-04F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2343987-04G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-05A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-05B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-05C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-05D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-05D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343987-05E	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),NI-TI(180),AL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2343987-05F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)
L2343987-05G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-06A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-06B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-06C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-06D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-06D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2343987-06F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)
L2343987-06G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-07A	Vial MeOH preserved	B	NA		3.1	Y	Absent		NYTCL-8260HLW(14)
L2343987-07B	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-07C	Vial water preserved	B	NA		3.1	Y	Absent	01-AUG-23 02:11	NYTCL-8260HLW(14)
L2343987-07D	Plastic 2oz unpreserved for TS	A	NA		2.7	Y	Absent		TS(7)
L2343987-07D1	Plastic 120ml unpreserved	B	NA		3.1	Y	Absent		TS(7)
L2343987-07E	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),SB-TI(180),PB-TI(180),SE-TI(180),ZN-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)
L2343987-07F	Plastic 8oz unpreserved	A	NA		2.7	Y	Absent		HOLD-1633(90)
L2343987-07G	Glass 250ml/8oz unpreserved	B	NA		3.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2343987-08A	Plastic 500ml unpreserved	A	NA		2.7	Y	Absent		A2-NY-1633-DRAFT-21(28)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2343987-08B	Plastic 500ml unpreserved	A	NA		2.7	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2343987-09A	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2343987-09B	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2343987-09C	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2343987-09D	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2343987-09E	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2343987-09F	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2343987-09G	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2343987-09H	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2343987-09I	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2343987-09J	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2343987-09K	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2343987-09L	Plastic 250ml HNO3 preserved	B	<2	<2	3.1	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2343987-10A	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2343987-10B	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2343987
Report Date: 08/17/23

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:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

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:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

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:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

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:	SA 101 E 150TH	**Lab Number:**	L2343987
Project Number:	41.0163097.00	**Report Date:**	08/17/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page 1 of 1

Date Rec'd in Lab: 7/31/23

ALPHA Job #: L2343987

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St, NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Hold PFAS Analysis for EP-22 through EP-25, EP-03, and EP-04

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
43987-01	EP-23 (8' bgs)	7/31/23	7:55	S	JN	X	X	X	X	X	X				
-02	EP-24 (8' bgs)		8:10												
-03	EP-22 (8' bgs)		8:20												
-04	EP-21 (8' bgs)		8:35												
-05	EP-25 (8' bgs)		8:50												
-06	EP-03 (5' bgs)		13:50												
-07	EP-04 (5' bgs)		14:10	↓	↓	↓	↓	↓	↓	↓	↓				
-08	FB PFAS 100 2023-07-31		13:20								X				
-09	FB 100 2023-07-31		13:25			X	X	X	X	X					
-10	TB 100 2023-07-31	↓				X	X	X	X	X	X				

Container Type	V	G	G	G	G	P		
Preservative			A	A				

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn (GZA)	7/31/23 15:07		7/31/23 15:07
	7/31/23 17:00	Paul Mazzella	7/31/23 17:00
Paul Mazzella	7/31/23		7/31/23 2000
	7/31/23 2200		7/31/23 2200

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)

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GEOTECHNICAL
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CONSTRUCTION MANAGEMENT

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MEMORANDUM

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: September 28, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Remedial Excavation and Proposed Endpoint Sample Locations (see attached). As shown on Drawing 1, 19 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

The laboratory analytical results for samples EP-26 to EP -30, and EP-33 to EP-35 were collected at 5 feet below initial ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5: Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

This memorandum also transmits to the NYSDEC the EP laboratory reports (Project ID No. L2348172) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

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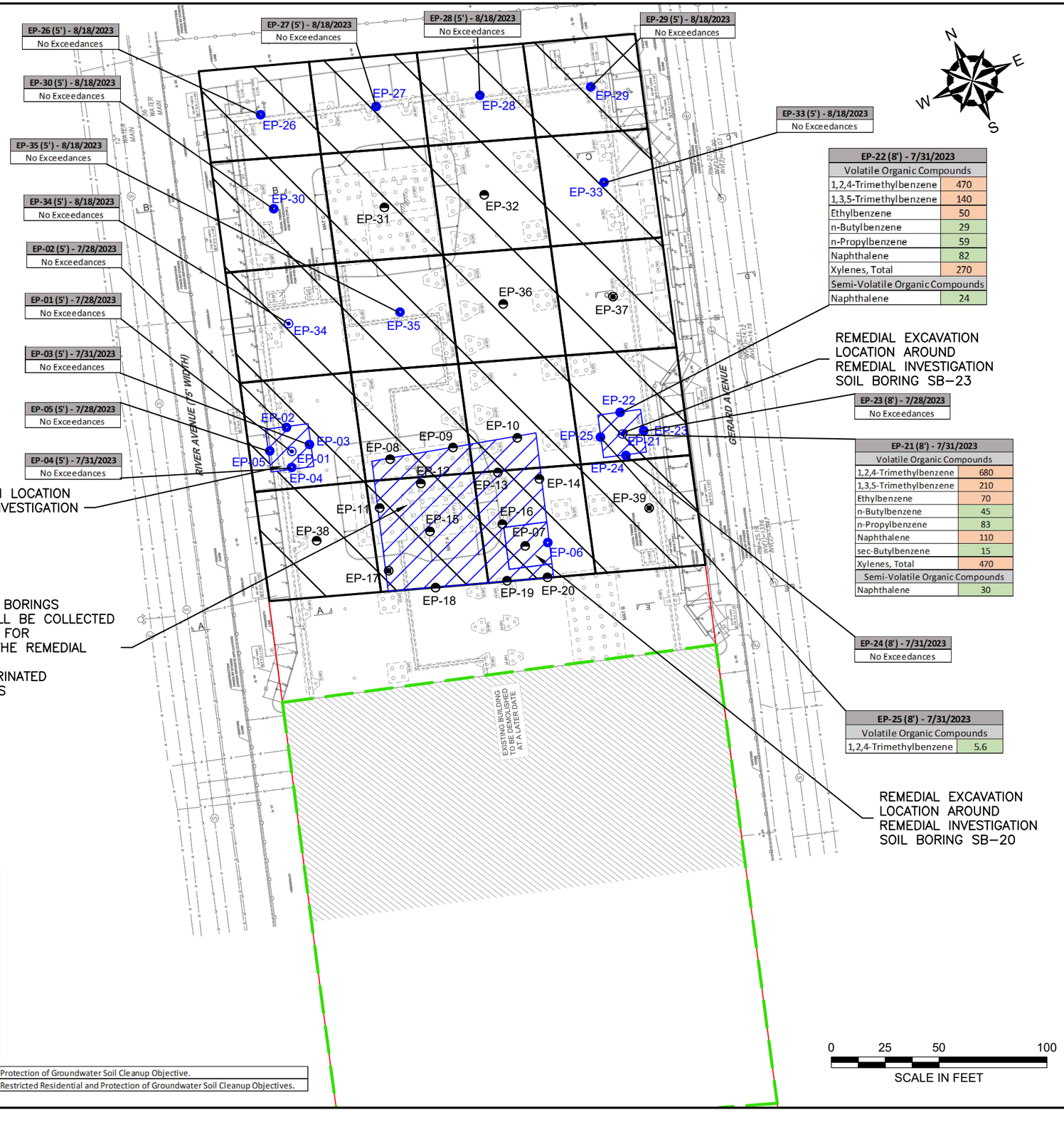
FIGURES

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM] October 10, 2023 – 2:53pm jackson.bogach



Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Analyte		
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Xylenes, Total	100	1.6
Analyte		
Naphthalene	100	12

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective.

Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-39 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITH PFAS ANALYSIS
- EP-10 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (SEPTEMBER 28, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: OCTOBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

TABLES

Table 1 - Volatile Organic Compounds in End Point Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,1,2-Trichloroethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,1-Dichloropropene	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,2,3-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,3-Trichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trichlorobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0029	U	0.0029	U	0.0028	U	0.0028	U	0.0029	U	0.0037	U	0.0025	U	0.0032	U
1,2-Dibromoethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloroethene, Total	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,2-Dichloropropane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,3-Dichloropropene, Total	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
1,4-Dioxane	0.1	13	0.1	0.077	U	0.078	U	0.074	U	0.075	U	0.078	U	0.098	U	0.066	U	0.086	U
2,2-Dichloropropane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
2-Butanone	0.12	100	0.12	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
2-Hexanone	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
4-Methyl-2-pentanone	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Acetone	0.05	100	0.05	0.0096	U	0.0097	U	0.0078	J	0.0093	U	0.0073	J	0.012	U	0.0082	U	0.011	U
Acrylonitrile	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Benzene	0.06	4.8	0.06	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Bromobenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Bromochloromethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Bromodichloromethane	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Bromoform	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Bromomethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Carbon disulfide	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Chloroethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Chloroform	0.37	49	0.37	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0018	U	0.0012	U	0.0016	U
Chloromethane	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
cis-1,3-Dichloropropene	--	--	--	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00049	U	0.00061	U	0.00041	U	0.00054	U
Dibromochloromethane	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Dibromomethane	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Dichlorodifluoromethane	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Ethyl ether	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Ethylbenzene	1	41	1	0.00096	U	0.00097	U	0.00093	U	0.00013	J	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Hexachlorobutadiene	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Isopropylbenzene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Methylene chloride	0.05	100	0.05	0.0048	U	0.0048	U	0.0046	U	0.0047	U	0.0049	U	0.0061	U	0.0041	U	0.0054	U
n-Butylbenzene	12	100	12	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Naphthalene	12	100	12	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
o-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
o-Xylene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
p-Chlorotoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Diethylbenzene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Ethyltoluene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
p-Isopropyltoluene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
p/m-Xylene	--	--	--	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
sec-Butylbenzene	11	100	11	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Styrene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0019	U	0.0019	U	0.0019	U	0.0019	U	0.002	U	0.0024	U	0.0016	U	0.0022	U
Tetrachloroethene	1.3	19	1.3	0.0029		0.00048	U	0.00046	U	0.00047	U	0.0052		0.00032	J	0.00041	U	0.00054	U
Toluene	0.7	100	0.7	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014	U	0.0014	U	0.0014	U	0.0014	U	0.0015	U	0.0018	U	0.0012	U	0.0016	U
trans-1,3-Dichloropropene	--	--	--	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0048	U	0.0048	U	0.0046	U	0.0047	U	0.0049	U	0.0061	U	0.0041	U	0.0054	U
Trichloroethene	0.47	21	0.47	0.00048	U	0.00048	U	0.00046	U	0.00047	U	0.00065		0.00061	U	0.00041	U	0.00054	U
Trichlorofluoromethane	--	--	--	0.0038	U	0.0039	U	0.0037	U	0.0037	U	0.0039	U	0.0049	U	0.0033	U	0.0043	U
Vinyl acetate	--	--	--	0.0096	U	0.0097	U	0.0093	U	0.0093	U	0.0098	U	0.012	U	0.0082	U	0.011	U
Vinyl chloride	0.02	0.9	0.02	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U
Xylenes, Total	0.26	100	1.6	0.00096	U	0.00097	U	0.00093	U	0.00093	U	0.00098	U	0.0012	U	0.00082	U	0.0011	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.028	U	0.027	U	0.03	U	0.027	U	0.028	U	0.028	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.91	U	0.86	U	0.94	U	0.87	U	0.89	U	0.89	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.023	J	0.23	U	0.21	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.41	U	0.39	U	0.42	U	0.39	U	0.4	U	0.4	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.27	U	0.26	U	0.28	U	0.26	U	0.27	U	0.27	U	0.26	U
3-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.49	U	0.49	U	0.46	U	0.51	U	0.47	U	0.48	U	0.48	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.25	U	0.28	U	0.26	U	0.26	U	0.26	U	0.25	U
Acenaphthene	20	100	98	0.048	J	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Acenaphthylene	100	1000	107	0.067	J	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Acetophenone	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.16		0.11	U	0.11	U	0.12	U	0.036	J	0.11	U	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.73		0.045	J	0.11	U	0.12	U	0.097	J	0.1	J	0.057	J	0.028	J
Benzo(a)pyrene	1	1	22	0.72		0.15	U	0.14	U	0.16	U	0.095	J	0.1	J	0.057	J	0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.92		0.052	J	0.11	U	0.12	U	0.1	J	0.12		0.069	J	0.032	J
Benzo(ghi)perylene	100	100	1000	0.44		0.026	J	0.14	U	0.16	U	0.055	J	0.059	J	0.033	J	0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.25		0.11	U	0.11	U	0.12	U	0.031	J	0.039	J	0.11	U	0.11	U
Benzoic Acid	--	--	--	0.61	U	0.61	U	0.58	U	0.64	U	0.59	U	0.6	U	0.6	U	0.58	U
Benzyl Alcohol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.43	U	0.43	U	0.41	U	0.45	U	0.42	U	0.42	U	0.42	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.19	U	0.21	U	0.2	U	0.2	U	0.2	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.23	U	0.21	U	0.24	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.11	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.07	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Chrysene	1	3.9	1	0.71		0.043	J	0.11	U	0.12	U	0.097	J	0.1	J	0.056	J	0.026	J
Di-n-butylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.099	J	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.026	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	1.3		0.078	J	0.11	U	0.12	U	0.2		0.18		0.093	J	0.039	J
Fluorene	30	100	386	0.044	J	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.54	U	0.51	U	0.56	U	0.52	U	0.53	U	0.53	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.49		0.026	J	0.14	U	0.16	U	0.056	J	0.066	J	0.038	J	0.14	U
Isophorone	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.042	J	0.19	U	0.022	J	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.17	U	0.16	U	0.18	U	0.16	U	0.17	U	0.17	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.14	U	0.16	U	0.14	U	0.15	U	0.15	U	0.14	U
Phenanthrene	100	100	1000	0.6		0.045	J	0.11	U	0.12	U	0.15		0.11		0.04	J	0.11	U
Phenol	0.33	100	0.33	0.19	U	0.19	U	0.18	U	0.2	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	1.2		0.08	J	0.11	U	0.12	U	0.19		0.18		0.088	J	0.04	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the

Table 3 - Total Metals in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	9330		6640		6010		5630		6210		5820		6290		6730	
Antimony, Total	--	--	--	4.51	U	4.37	U	4.32	U	4.62	U	4.25	U	4.42	U	4.43	U	4.19	U
Arsenic, Total	13	16	16	3.88		1.38		1.48		1.38		1.53		1.69		1.98		1.45	
Barium, Total	350	400	820	47.7		28.3		21.2		20.3		32		28.4		37.8		35.3	
Beryllium, Total	7.2	72	47	0.343	J	0.324	J	0.309	J	0.302	J	0.299	J	0.308	J	0.309	J	0.303	J
Cadmium, Total	2.5	4.3	7.5	0.17	J	0.875	U	0.864	U	0.923	U	0.85	U	0.883	U	0.886	U	0.135	J
Calcium, Total	--	--	--	2290		674		376		656		1030		2820		1470		634	
Chromium, Total*	1	180	--	16.9		9.47		8.18		8.48		9.93		8.72		9.9		10.1	
Colbalt, Total	--	--	--	4.09		3.43		3.49		3.81		3.71		3.74		3.8		3.5	
Copper, Total	50	270	1720	19.6		7.2		6.74		6.15		9.49		10.1		10.7		7.14	
Iron, Total	--	--	--	10800		9670		9510		10300		9720		10500		9870		9860	
Lead, Total	63	400	450	52		8.39		3.92	J	4.46	J	12.7		20.3		23.5		4.74	
Magnesium, Total	--	--	--	2630		1830		1730		1960		1910		2460		1960		1900	
Manganese, Total	1600	2000	2000	347		296		300		320		336		325		254		253	
Mercury, Total	0.18	0.81	0.73	0.09	U	0.084	U	0.073	U	0.088	U	0.081	U	0.117		0.08	U	0.077	U
Nickel, Total	30	310	130	9.94		8.28		8.41		8.42		7.9		8.59		9.04		9.65	
Potassium, Total	--	--	--	756		496		441		702		462		626		698		579	
Selenium, Total	3.9	180	4	1.8	U	1.75	U	1.73	U	1.85	U	1.7	U	1.77	U	1.77	U	1.68	U
Silver, Total	2	180	8.3	0.451	U	0.437	U	0.432	U	0.462	U	0.425	U	0.442	U	0.443	U	0.419	U
Sodium, Total	--	--	--	69.8	J	74.1	J	138	J	143	J	77.1	J	108	J	89.1	J	72.5	J
Thallium, Total	--	--	--	0.503	J	1.75	U	0.282	J	0.301	J	0.322	J	0.4	J	0.458	J	0.359	J
Vanadium, Total	--	--	--	16.5		10.9		11.6		11.7		11.8		12.9		14.4		11.9	
Zinc, Total	109	10000	2480	83.3		18.7		14.8		23.8		24.4		28.1		40.4		97.7	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-26		EP-27		EP-28		EP-29		EP-30		EP-33		EP-34		EP-35	
LAB SAMPLE ID				L2348172-01		L2348172-02		L2348172-03		L2348172-04		L2348172-05		L2348172-06		L2348172-07		L2348172-08	
DATE				8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023		8/18/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00151	J	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.0012	J	0.000635	JP
4,4'-DDT	0.0033	7.9	136	0.00285		0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Beta-BHC	0.036	0.36	0.09	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Chlordane	--	--	--	0.0149	U	0.0146	U	0.0146	U	0.0157	U	0.0145	U	0.0149	U	0.0148	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Delta-BHC	0.04	100	0.25	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00112	U	0.00109	U	0.0011	U	0.00118	U	0.00108	U	0.00112	U	0.00111	U	0.00108	U
Endosulfan I	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Endosulfan II	2.4	24	102	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Endrin	0.014	11	0.06	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Endrin aldehyde	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Endrin ketone	--	--	--	0.00179	U	0.00175	U	0.00176	U	0.00189	U	0.00174	U	0.00179	U	0.00178	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000896	U	0.000876	U	0.000878	U	0.000944	U	0.000868	U	0.000894	U	0.000889	U	0.000867	U
Heptachlor epoxide	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00335	U	0.00333	U	0.00325	U
Lindane	0.1	1.3	0.1	0.000747	U	0.00073	U	0.000732	U	0.000787	U	0.000724	U	0.000745	U	0.000741	U	0.000723	U
Methoxychlor	--	--	--	0.00336	U	0.00328	U	0.00329	U	0.00354	U	0.00326	U	0.00335	U	0.00333	U	0.00325	U
Toxaphene	--	--	--	0.0336	U	0.0328	U	0.0329	U	0.0354	U	0.0326	U	0.0335	U	0.0333	U	0.0325	U
trans-Chlordane	--	--	--	0.00224	U	0.00219	U	0.00219	U	0.00236	U	0.00217	U	0.00223	U	0.00222	U	0.00217	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1221	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1232	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1242	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1254	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1260	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1262	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
Aroclor 1268	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U
PCBs, Total	0.1	1	3.2	0.0545	U	0.0561	U	0.0505	U	0.0563	U	0.0538	U	0.0524	U	0.0531	U	0.0502	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

U: Not detected at the reported detection limit for
J: Estimated value. The analyte concentration is below the reporting limit

Table 6 - Per- and Polyfluoroalkyl Substances in End Point Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-34	
LAB SAMPLE ID				8/18/2023	
DATE				L2348172-07	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
PFAS by EPA Method 537.1					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000781	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000781	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000195	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000195	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000195	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000781	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000195	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000195	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000195	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000195	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000195	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000195	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000195	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.000195	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000195	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000148	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000101	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.00039	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000195	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000195	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000195	U
PFOA/PFOS, Total	--	--	--	0.000249	J

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2348172
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	09/08/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2348172-01	EP-26 (5'BGS)	SOIL	BRONX, NY	08/18/23 10:45	08/18/23
L2348172-02	EP-27 (5'BGS)	SOIL	BRONX, NY	08/18/23 10:58	08/18/23
L2348172-03	EP-28 (5'BGS)	SOIL	BRONX, NY	08/18/23 11:10	08/18/23
L2348172-04	EP-29 (5'BGS)	SOIL	BRONX, NY	08/18/23 11:24	08/18/23
L2348172-05	EP-30 (5'BGS)	SOIL	BRONX, NY	08/18/23 11:50	08/18/23
L2348172-06	EP-33 (5'BGS)	SOIL	BRONX, NY	08/18/23 12:13	08/18/23
L2348172-07	EP-34 (5'BGS)	SOIL	BRONX, NY	08/18/23 12:37	08/18/23
L2348172-08	EP-35 (5'BGS)	SOIL	BRONX, NY	08/18/23 12:55	08/18/23
L2348172-09	FD-1 2023-08-18	SOIL	BRONX, NY	08/18/23 00:00	08/18/23
L2348172-10	FB PFAS 2023-08-18	WATER	BRONX, NY	08/18/23 14:02	08/18/23
L2348172-11	FB 2023-08-18	WATER	BRONX, NY	08/18/23 14:10	08/18/23
L2348172-12	TB 2023-08-18	WATER	BRONX, NY	08/18/23 00:00	08/18/23

Project Name:	SA 101 E 150TH	**Lab Number:**	L2348172
Project Number:	41.0163097.00	**Report Date:**	09/08/23

Case Narrative

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

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

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

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

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

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

Project Name: SA 101 E 150TH **Lab Number:** L2348172
Project Number: 41.0163097.00 **Report Date:** 09/08/23

Case Narrative (continued)

Report Submission
September 08, 2023: This final report includes the results of all requested analyses.
September 01, 2023: This is a preliminary report.

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

Volatile Organics
L2348172-11: Headspace was noted in the sample container utilized for analysis.

Semivolatile Organics
The WG1820269-4/-5 MS/MSD recoveries, performed on L2348172-08, are below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Total Metals
L2348172-01 through -09: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.
L2348172-11: The Field Blank has results for barium and sodium present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.
The WG1818828-3/-4 MS/MSD recoveries for aluminum (570%/309%) and iron (641%/0%), performed on L2348172-08, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1818828-3/-4 MS/MSD recoveries, performed on L2348172-08, are outside the acceptance criteria for antimony (64%/61%). A post digestion spike was performed and was within acceptance criteria.
The WG1818829-4 MSD recovery, performed on L2348172-08, is outside the acceptance criteria for mercury

Project Name:	SA 101 E 150TH	**Lab Number:**	L2348172
Project Number:	41.0163097.00	**Report Date:**	09/08/23

Case Narrative (continued)

(148%). A post digestion spike was performed and was within acceptance criteria. The MS/MSD RPD is above the acceptance criteria for mercury (40%),

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: 09/08/23

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:45
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/29/23 22:48
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	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	2.9		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:58
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/29/23 23:12
Analyst: JIC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	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	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	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	0.97	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	3.9	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	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	ND		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	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	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	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	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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	0.97	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	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/29/23 23:35
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	4.6	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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	7.8	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	111		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/29/23 23:59
Analyst: JIC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	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	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	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	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	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	3.7	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	0.93	0.51	1
Ethylbenzene	0.13	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
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	0.13	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	0.47	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	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
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	75	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	4.7	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:50
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/30/23 00:22
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	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	5.2		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.65		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	7.3	J	ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	109		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:13
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/30/23 00:46
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.1	2.8	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.28	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.33	1
Tetrachloroethene	0.32	J	ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.16	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.85	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	ND		ug/kg	0.61	0.20	1
Bromodichloromethane	ND		ug/kg	0.61	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.61	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.61	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.61	0.20	1
Bromoform	ND		ug/kg	4.9	0.30	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.61	0.20	1
Benzene	ND		ug/kg	0.61	0.20	1
Toluene	ND		ug/kg	1.2	0.67	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.9	1.1	1
Bromomethane	ND		ug/kg	2.4	0.71	1
Vinyl chloride	ND		ug/kg	1.2	0.41	1
Chloroethane	ND		ug/kg	2.4	0.55	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.17	1

Project Name: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06 Date Collected: 08/18/23 12:13

Client ID: EP-33 (5'BGS) Date Received: 08/18/23

Sample Location: 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	0.61	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.25	1
p/m-Xylene	ND		ug/kg	2.4	0.69	1
o-Xylene	ND		ug/kg	1.2	0.36	1
Xylenes, Total	ND		ug/kg	1.2	0.36	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.4	0.29	1
Styrene	ND		ug/kg	1.2	0.24	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.9	1
Carbon disulfide	ND		ug/kg	12	5.6	1
2-Butanone	ND		ug/kg	12	2.7	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.16	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.25	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.34	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.61	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.7	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.9	0.80	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:13
Date Received: 08/18/23
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	1.2	0.21	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.41	1
1,4-Dioxane	ND		ug/kg	98	43.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.22	1
p-Ethyltoluene	ND		ug/kg	2.4	0.47	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.42	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	111		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/30/23 01:09
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	ND		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.82	0.45	1
Ethylbenzene	ND		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.77	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.28	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.17	1
p/m-Xylene	ND		ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.82	0.24	1
Xylenes, Total	ND		ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.20	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.76	1
Acetone	ND		ug/kg	8.2	4.0	1
Carbon disulfide	ND		ug/kg	8.2	3.8	1
2-Butanone	ND		ug/kg	8.2	1.8	1
Vinyl acetate	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.82	0.14	1
sec-Butylbenzene	ND		ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.82	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	ND		ug/kg	0.82	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.82	0.09	1
Naphthalene	ND		ug/kg	3.3	0.54	1
Acrylonitrile	ND		ug/kg	3.3	0.95	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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	0.82	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.28	1
1,4-Dioxane	ND		ug/kg	66	29.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.15	1
p-Ethyltoluene	ND		ug/kg	1.6	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.16	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.1	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:55
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/30/23 01:33
Analyst: JIC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08 Date Collected: 08/18/23 12:55

Client ID: EP-35 (5'BGS) Date Received: 08/18/23

Sample Location: 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	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.20	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:55
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.20	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	113		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 08/30/23 01:56
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	4.5	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	7.8		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	0.40	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: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09 Date Collected: 08/18/23 00:00

Client ID: FD-1 2023-08-18 Date Received: 08/18/23

Sample Location: 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	1.1		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	1.1	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	0.89	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	31.	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
Dibromofluoromethane	110		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/24/23 14:32
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:10
Date Received: 08/18/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
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	1.9	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:10
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-12
Client ID: TB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 00:00
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 08/24/23 14:07
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-12
Client ID: TB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-12
Client ID: TB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	106		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/24/23 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1820068-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/24/23 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1820068-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/24/23 08:37
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 11-12 Batch: WG1820068-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:27
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09 Batch: WG1822021-5					
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	0.16	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:27
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09 Batch: WG1822021-5					
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	0.27	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 08/29/23 20:27
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-09 Batch: WG1822021-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**154**	Q	70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	117		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1820068-3 WG1820068-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		99		63-132	1		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	91		95		70-130	4		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	98		98		70-130	0		20
1,1,1-Trichloroethane	110		100		67-130	10		20
Bromodichloromethane	100		98		67-130	2		20
trans-1,3-Dichloropropene	92		94		70-130	2		20
cis-1,3-Dichloropropene	96		95		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	80		82		54-136	2		20
1,1,2,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		100		64-130	0		20
Bromomethane	100		100		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1820068-3 WG1820068-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	120		110		55-138	9		20
1,1-Dichloroethene	110		96		61-145	14		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	94		94		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	88		89		63-130	1		20
p/m-Xylene	105		100		70-130	5		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	98		98		70-130	0		20
1,2,3-Trichloropropane	84		86		64-130	2		20
Acrylonitrile	85		90		70-130	6		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	110		100		36-147	10		20
Acetone	80		86		58-148	7		20
Carbon disulfide	96		86		51-130	11		20
2-Butanone	78		77		63-138	1		20
Vinyl acetate	**160**	Q	**160**	Q	70-130	0		20
4-Methyl-2-pentanone	78		79		59-130	1		20
2-Hexanone	70		76		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1820068-3 WG1820068-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	120		110		63-133	9		20
1,2-Dibromoethane	92		95		70-130	3		20
1,3-Dichloropropane	93		95		70-130	2		20
1,1,1,2-Tetrachloroethane	97		100		64-130	3		20
Bromobenzene	100		110		70-130	10		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	100		110		70-130	10		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	79		84		41-144	6		20
Hexachlorobutadiene	98		100		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	84		85		70-130	1		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	93		95		70-130	2		20
1,2,4-Trichlorobenzene	94		97		70-130	3		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	112		106		56-162	6		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 11-12 Batch: WG1820068-3 WG1820068-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	88		89		70-130	1		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	92		92		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 Batch: WG1822021-3 WG1822021-4								
Methylene chloride	85		83		70-130	2		30
1,1-Dichloroethane	102		100		70-130	2		30
Chloroform	91		89		70-130	2		30
Carbon tetrachloride	88		86		70-130	2		30
1,2-Dichloropropane	102		97		70-130	5		30
Dibromochloromethane	78		74		70-130	5		30
1,1,2-Trichloroethane	78		74		70-130	5		30
Tetrachloroethene	81		78		70-130	4		30
Chlorobenzene	86		82		70-130	5		30
Trichlorofluoromethane	77		77		70-139	0		30
1,2-Dichloroethane	104		101		70-130	3		30
1,1,1-Trichloroethane	98		96		70-130	2		30
Bromodichloromethane	92		89		70-130	3		30
trans-1,3-Dichloropropene	90		85		70-130	6		30
cis-1,3-Dichloropropene	91		89		70-130	2		30
1,1-Dichloropropene	106		105		70-130	1		30
Bromoform	79		71		70-130	11		30
1,1,2,2-Tetrachloroethane	96		88		70-130	9		30
Benzene	92		90		70-130	2		30
Toluene	96		92		70-130	4		30
Ethylbenzene	93		90		70-130	3		30
Chloromethane	92		91		52-130	1		30
Bromomethane	95		91		57-147	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 Batch: WG1822021-3 WG1822021-4								
Vinyl chloride	94		94		67-130	0		30
Chloroethane	75		75		50-151	0		30
1,1-Dichloroethene	82		81		65-135	1		30
trans-1,2-Dichloroethene	90		87		70-130	3		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	90		81		70-130	11		30
1,3-Dichlorobenzene	92		83		70-130	10		30
1,4-Dichlorobenzene	90		82		70-130	9		30
Methyl tert butyl ether	87		82		66-130	6		30
p/m-Xylene	85		83		70-130	2		30
o-Xylene	85		81		70-130	5		30
cis-1,2-Dichloroethene	84		83		70-130	1		30
Dibromomethane	86		84		70-130	2		30
Styrene	85		82		70-130	4		30
Dichlorodifluoromethane	74		73		30-146	1		30
Acetone	108		102		54-140	6		30
Carbon disulfide	91		90		59-130	1		30
2-Butanone	74		71		70-130	4		30
Vinyl acetate	82		82		70-130	0		30
4-Methyl-2-pentanone	87		85		70-130	2		30
1,2,3-Trichloropropane	100		91		68-130	9		30
2-Hexanone	86		85		70-130	1		30
Bromochloromethane	77		74		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 Batch: WG1822021-3 WG1822021-4								
2,2-Dichloropropane	98		95		70-130	3		30
1,2-Dibromoethane	75		72		70-130	4		30
1,3-Dichloropropane	85		80		69-130	6		30
1,1,1,2-Tetrachloroethane	82		77		70-130	6		30
Bromobenzene	91		83		70-130	9		30
n-Butylbenzene	108		100		70-130	8		30
sec-Butylbenzene	100		93		70-130	7		30
tert-Butylbenzene	96		88		70-130	9		30
o-Chlorotoluene	107		97		70-130	10		30
p-Chlorotoluene	105		97		70-130	8		30
1,2-Dibromo-3-chloropropane	72		**66**	Q	68-130	9		30
Hexachlorobutadiene	89		83		67-130	7		30
Isopropylbenzene	103		94		70-130	9		30
p-Isopropyltoluene	96		90		70-130	6		30
Naphthalene	86		79		70-130	8		30
Acrylonitrile	101		102		70-130	1		30
n-Propylbenzene	106		98		70-130	8		30
1,2,3-Trichlorobenzene	91		83		70-130	9		30
1,2,4-Trichlorobenzene	95		85		70-130	11		30
1,3,5-Trimethylbenzene	100		93		70-130	7		30
1,2,4-Trimethylbenzene	100		92		70-130	8		30
1,4-Dioxane	80		77		65-136	4		30
p-Diethylbenzene	98		90		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 Batch: WG1822021-3 WG1822021-4								
p-Ethyltoluene	100		92		70-130	8		30
1,2,4,5-Tetramethylbenzene	107		97		70-130	10		30
Ethyl ether	92		88		67-130	4		30
trans-1,4-Dichloro-2-butene	108		100		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	130		129		70-130
Toluene-d8	107		105		70-130
4-Bromofluorobenzene	116		112		70-130
Dibromofluoromethane	100		100		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1822021-6 WG1822021-7 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
Methylene chloride	ND	89.1	89	100		86	95		70-130	4		30
1,1-Dichloroethane	ND	89.1	96	107		92	101		70-130	4		30
Chloroform	ND	89.1	87	98		84	93		70-130	4		30
Carbon tetrachloride	ND	89.1	100	117		110	117		70-130	2		30
1,2-Dichloropropane	ND	89.1	120	**132**	Q	120	**135**	Q	70-130	3		30
Dibromochloromethane	ND	89.1	93	104		100	112		70-130	8		30
1,1,2-Trichloroethane	ND	89.1	92	104		97	107		70-130	5		30
Tetrachloroethene	ND	89.1	61	**68**	Q	80	88		70-130	27		30
Chlorobenzene	ND	89.1	65	73		81	90		70-130	23		30
Trichlorofluoromethane	ND	89.1	78	88		73	81		70-139	6		30
1,2-Dichloroethane	ND	89.1	100	116		100	110		70-130	3		30
1,1,1-Trichloroethane	ND	89.1	120	130		120	127		70-130	1		30
Bromodichloromethane	ND	89.1	110	120		110	123		70-130	4		30
trans-1,3-Dichloropropene	ND	89.1	100	116		110	126		70-130	10		30
cis-1,3-Dichloropropene	ND	89.1	100	114		110	122		70-130	8		30
1,1-Dichloropropene	ND	89.1	130	**148**	Q	150	**161**	Q	70-130	10		30
Bromoform	ND	89.1	76	85		84	93		70-130	11		30
1,1,2,2-Tetrachloroethane	ND	89.1	86	97		93	102		70-130	7		30
Benzene	ND	89.1	98	110		100	114		70-130	5		30
Toluene	ND	89.1	84	94		98	108		70-130	16		30
Ethylbenzene	ND	89.1	65	73		88	97		70-130	30		30
Chloromethane	ND	89.1	110	118		100	110		52-130	5		30
Bromomethane	ND	89.1	92	104		90	99		57-147	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1822021-6 WG1822021-7 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
Vinyl chloride	ND	89.1	110	120		100	113		67-130	5		30
Chloroethane	ND	89.1	75	84		73	80		50-151	3		30
1,1-Dichloroethene	ND	89.1	83	93		78	87		65-135	5		30
trans-1,2-Dichloroethene	ND	89.1	84	94		83	91		70-130	1		30
Trichloroethene	ND	89.1	90	101		100	110		70-130	10		30
1,2-Dichlorobenzene	ND	89.1	52	**59**	Q	74	82		70-130	**35**	Q	30
1,3-Dichlorobenzene	ND	89.1	47	**53**	Q	73	80		70-130	**43**	Q	30
1,4-Dichlorobenzene	ND	89.1	46	**51**	Q	72	79		70-130	**44**	Q	30
Methyl tert butyl ether	ND	89.1	97	109		97	107		66-130	0		30
p/m-Xylene	ND	178	110	**63**	Q	150	85		70-130	**31**	Q	30
o-Xylene	ND	178	120	**67**	Q	160	87		70-130	27		30
cis-1,2-Dichloroethene	ND	89.1	79	89		78	86		70-130	2		30
Dibromomethane	ND	89.1	81	91		79	88		70-130	2		30
Styrene	ND	178	120	**67**	Q	160	86		70-130	25		30
Dichlorodifluoromethane	ND	89.1	120	139		120	128		30-146	7		30
Acetone	ND	89.1	120	135		110	119		54-140	11		30
Carbon disulfide	ND	89.1	89	100		88	97		59-130	1		30
2-Butanone	ND	89.1	97	109		91	101		70-130	6		30
Vinyl acetate	ND	89.1	63	71		55	**61**	Q	70-130	13		30
4-Methyl-2-pentanone	ND	89.1	95	106		95	105		70-130	0		30
1,2,3-Trichloropropane	ND	89.1	86	96		92	102		68-130	7		30
2-Hexanone	ND	89.1	91	102		91	100		70-130	0		30
Bromochloromethane	ND	89.1	68	77		66	73		70-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1822021-6 WG1822021-7 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
2,2-Dichloropropane	ND	89.1	110	121		110	116		70-130	3		30
1,2-Dibromoethane	ND	89.1	86	96		92	101		70-130	7		30
1,3-Dichloropropane	ND	89.1	98	110		110	116		69-130	6		30
1,1,1,2-Tetrachloroethane	ND	89.1	77	87		90	99		70-130	15		30
Bromobenzene	ND	89.1	61	**68**	Q	80	88		70-130	27		30
n-Butylbenzene	ND	89.1	36	**41**	Q	86	95		70-130	**81**	Q	30
sec-Butylbenzene	ND	89.1	46	**52**	Q	87	96		70-130	**61**	Q	30
tert-Butylbenzene	ND	89.1	52	**58**	Q	86	95		70-130	**50**	Q	30
o-Chlorotoluene	ND	89.1	66	74		90	99		70-130	**31**	Q	30
p-Chlorotoluene	ND	89.1	54	**61**	Q	85	94		70-130	**45**	Q	30
1,2-Dibromo-3-chloropropane	ND	89.1	66	74		71	79		68-130	8		30
Hexachlorobutadiene	ND	89.1	23	**26**	Q	68	75		67-130	**98**	Q	30
Isopropylbenzene	ND	89.1	61	**69**	Q	92	102		70-130	**41**	Q	30
p-Isopropyltoluene	ND	89.1	40	**45**	Q	81	90		70-130	**68**	Q	30
Naphthalene	ND	89.1	62	70		76	84		70-130	20		30
Acrylonitrile	ND	89.1	85	95		78	86		70-130	8		30
n-Propylbenzene	ND	89.1	53	**59**	Q	90	100		70-130	**53**	Q	30
1,2,3-Trichlorobenzene	ND	89.1	48	**54**	Q	69	76		70-130	**36**	Q	30
1,2,4-Trichlorobenzene	ND	89.1	44	**49**	Q	68	76		70-130	**44**	Q	30
1,3,5-Trimethylbenzene	ND	89.1	52	**58**	Q	85	94		70-130	**48**	Q	30
1,2,4-Trimethylbenzene	ND	89.1	51	**58**	Q	85	94		70-130	**49**	Q	30
1,4-Dioxane	ND	4450	3900	88		3300	74		65-136	16		30
p-Diethylbenzene	ND	89.1	36	**40**	Q	80	89		70-130	**76**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1822021-6 WG1822021-7 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
p-Ethyltoluene	ND	89.1	48	**54**	Q	84	93		70-130	**55**	Q	30
1,2,4,5-Tetramethylbenzene	ND	89.1	50	**56**	Q	91	101		70-130	**59**	Q	30
Ethyl ether	ND	89.1	95	107		93	102		67-130	3		30
trans-1,4-Dichloro-2-butene	ND	89.1	80	90		86	95		70-130	8		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		120		70-130
4-Bromofluorobenzene	114		113		70-130
Dibromofluoromethane	89		86		70-130
Toluene-d8	105		106		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:45
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 09:08
Analyst: MG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	48	J	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	1300		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	42	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	110	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	730		ug/kg	110	21.	1
Benzo(a)pyrene	720		ug/kg	150	46.	1
Benzo(b)fluoranthene	920		ug/kg	110	32.	1
Benzo(k)fluoranthene	250		ug/kg	110	30.	1
Chrysene	710		ug/kg	110	20.	1
Acenaphthylene	67	J	ug/kg	150	29.	1
Anthracene	160		ug/kg	110	37.	1
Benzo(ghi)perylene	440		ug/kg	150	22.	1
Fluorene	44	J	ug/kg	190	18.	1
Phenanthrene	600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	99	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	490		ug/kg	150	26.	1
Pyrene	1200		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	26	J	ug/kg	190	18.	1
2-Methylnaphthalene	23	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	70	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:58
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 05:55
Analyst: MG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

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	78	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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	45	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	52	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	43	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	26	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	45	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	26	J	ug/kg	150	26.	1
Pyrene	80	J	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	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	75		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 07:08
Analyst: MG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

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	ND		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	22	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: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03 Date Collected: 08/18/23 11:10

Client ID: EP-28 (5'BGS) Date Received: 08/18/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	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	140	25.	1
Pyrene	ND		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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	73		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 07:32
Analyst: MG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	77		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:50
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 06:19
Analyst: MG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

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	200		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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	97	J	ug/kg	110	20.	1
Benzo(a)pyrene	95	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	100	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	31	J	ug/kg	110	29.	1
Chrysene	97	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	36	J	ug/kg	110	36.	1
Benzo(ghi)perylene	55	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	150		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	56	J	ug/kg	140	25.	1
Pyrene	190		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	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	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	68.	1
4-Nitrophenol	ND		ug/kg	260	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	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	72		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:13
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 07:56
Analyst: MG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

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	180		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: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06 Date Collected: 08/18/23 12:13

Client ID: EP-33 (5'BGS) Date Received: 08/18/23

Sample Location: 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	100	J	ug/kg	110	21.	1
Benzo(a)pyrene	100	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	120		ug/kg	110	31.	1
Benzo(k)fluoranthene	39	J	ug/kg	110	30.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	59	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	110		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	66	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:13
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	80		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 06:43
Analyst: MG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

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	93	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	19.	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	23.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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	57	J	ug/kg	110	21.	1
Benzo(a)pyrene	57	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	69	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	56	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	33	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	40	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	150	26.	1
Pyrene	88	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	77		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 08/29/23 19:24
Analyst: AC
Percent Solids: 89%

Extraction Method: EPA 1633
Extraction Date: 08/27/23 13:20
Cleanup Method: EPA 1633
Cleanup Date: 08/29/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.781	0.049	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.390	0.055	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.195	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.195	0.045	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.195	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.195	0.058	1
Perfluorooctanoic Acid (PFOA)	0.101	J	ng/g	0.195	0.051	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.781	0.273	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.195	0.036	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.195	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.148	J	ng/g	0.195	0.077	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.195	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.781	0.378	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.195	0.098	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.195	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.195	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.195	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.195	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.195	0.040	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.195	0.052	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.195	0.104	1
PFOA/PFOS, Total	0.249	J	ng/g	0.195	0.051	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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)	71		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	73		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	56		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	72		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	64		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	52		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	59		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:55
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 05:31
Analyst: MG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:00

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	39	J	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	190	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	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08 Date Collected: 08/18/23 12:55

Client ID: EP-35 (5'BGS) Date Received: 08/18/23

Sample Location: 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	28	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	32	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	26	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	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	140	25.	1
Pyrene	40	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:55
Date Received: 08/18/23
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	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	74		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 00:00
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 08/26/23 08:20
Analyst: MG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	61	J	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	910		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	34	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: SA 101 E 150TH **Lab Number:** L2348172

Project Number: 41.0163097.00 **Report Date:** 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09 Date Collected: 08/18/23 00:00

Client ID: FD-1 2023-08-18 Date Received: 08/18/23

Sample Location: 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	460		ug/kg	110	20.	1
Benzo(a)pyrene	440		ug/kg	140	44.	1
Benzo(b)fluoranthene	480		ug/kg	110	30.	1
Benzo(k)fluoranthene	130		ug/kg	110	29.	1
Chrysene	490		ug/kg	110	19.	1
Acenaphthylene	33	J	ug/kg	140	28.	1
Anthracene	180		ug/kg	110	35.	1
Benzo(ghi)perylene	250		ug/kg	140	21.	1
Fluorene	53	J	ug/kg	180	18.	1
Phenanthrene	670		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	54	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	250		ug/kg	140	25.	1
Pyrene	910		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	34	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	63	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	74		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-10
Client ID: FB PFAS 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:02
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 08/24/23 20:54
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 08/22/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.96	0.954	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.98	0.798	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.49	0.499	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.49	0.440	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.49	0.298	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.49	0.358	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.49	0.648	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.96	2.01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.49	0.402	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.49	0.470	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.49	0.678	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.49	0.604	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.96	2.32	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.49	0.812	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.49	0.648	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.49	0.343	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.49	0.402	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.49	0.805	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.49	0.686	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.49	0.559	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.49	0.395	1
PFOA/PFOS, Total	ND		ng/l	1.49	0.648	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-10
Client ID: FB PFAS 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:02
Date Received: 08/18/23
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		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	100		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	93		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	85		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	72		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	72		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	74		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 08/21/23 12:57
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	42		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	54		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/21/23 17:15
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.07	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:10
Date Received: 08/18/23
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	42		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	54		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/23 15:45
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 08/24/23 15:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/23 10:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1817950-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/23 10:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1817950-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/21/23 10:34
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 11 Batch: WG1817950-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	54		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	76		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/21/23 07:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 11 Batch: WG1817951-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/21/23 07:34
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 08:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 11 Batch: WG1817951-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	99		10-120
4-Terphenyl-d14	77		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/24/23 17:30
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 08/22/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 10 Batch: WG1818499-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/24/23 17:30
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 08/22/23 08:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 10 Batch: WG1818499-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	96		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	88		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	79		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	74		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/23 09:21
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 08/24/23 15:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 11 Batch: WG1819807-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/25/23 23:31
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1820269-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/25/23 23:31
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1820269-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 08/25/23 23:31
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/23 13:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-09 Batch: WG1820269-1					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	84		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/29/23 17:02
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/27/23 13:20
Cleanup Method: EPA 1633
Cleanup Date: 08/29/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 07 Batch: WG1820688-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 08/29/23 17:02
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 08/27/23 13:20
Cleanup Method: EPA 1633
Cleanup Date: 08/29/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 07 Batch: WG1820688-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	77		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	61		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	68		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	82		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	56		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	63		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1817950-2 WG1817950-3								
Acenaphthene	73		65		37-111	12		30
1,2,4-Trichlorobenzene	59		50		39-98	17		30
Hexachlorobenzene	66		61		40-140	8		30
Bis(2-chloroethyl)ether	71		63		40-140	12		30
2-Chloronaphthalene	65		57		40-140	13		30
1,2-Dichlorobenzene	66		54		40-140	20		30
1,3-Dichlorobenzene	66		53		40-140	22		30
1,4-Dichlorobenzene	67		53		36-97	23		30
3,3'-Dichlorobenzidine	47		**39**	Q	40-140	19		30
2,4-Dinitrotoluene	**47**	Q	**45**	Q	48-143	4		30
2,6-Dinitrotoluene	55		54		40-140	2		30
Fluoranthene	78		73		40-140	7		30
4-Chlorophenyl phenyl ether	69		63		40-140	9		30
4-Bromophenyl phenyl ether	72		66		40-140	9		30
Bis(2-chloroisopropyl)ether	89		78		40-140	13		30
Bis(2-chloroethoxy)methane	69		61		40-140	12		30
Hexachlorobutadiene	66		52		40-140	24		30
Hexachlorocyclopentadiene	45		40		40-140	12		30
Hexachloroethane	65		54		40-140	18		30
Isophorone	63		57		40-140	10		30
Naphthalene	70		60		40-140	15		30
Nitrobenzene	69		60		40-140	14		30
NDPA/DPA	70		64		40-140	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1817950-2 WG1817950-3								
n-Nitrosodi-n-propylamine	70		62		29-132	12		30
Bis(2-ethylhexyl)phthalate	94		95		40-140	1		30
Butyl benzyl phthalate	82		80		40-140	2		30
Di-n-butylphthalate	86		80		40-140	7		30
Di-n-octylphthalate	88		88		40-140	0		30
Diethyl phthalate	76		70		40-140	8		30
Dimethyl phthalate	61		59		40-140	3		30
Benzo(a)anthracene	87		80		40-140	8		30
Benzo(a)pyrene	88		82		40-140	7		30
Benzo(b)fluoranthene	79		74		40-140	7		30
Benzo(k)fluoranthene	90		82		40-140	9		30
Chrysene	88		81		40-140	8		30
Acenaphthylene	60		55		45-123	9		30
Anthracene	84		77		40-140	9		30
Benzo(ghi)perylene	94		86		40-140	9		30
Fluorene	71		65		40-140	9		30
Phenanthrene	85		77		40-140	10		30
Dibenzo(a,h)anthracene	91		83		40-140	9		30
Indeno(1,2,3-cd)pyrene	81		77		40-140	5		30
Pyrene	78		72		26-127	8		30
Biphenyl	59		52		40-140	13		30
4-Chloroaniline	66		64		40-140	3		30
2-Nitroaniline	60		55		52-143	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1817950-2 WG1817950-3								
3-Nitroaniline	68		62		25-145	9		30
4-Nitroaniline	64		57		51-143	12		30
Dibenzofuran	77		69		40-140	11		30
2-Methylnaphthalene	67		58		40-140	14		30
1,2,4,5-Tetrachlorobenzene	57		48		2-134	17		30
Acetophenone	62		54		39-129	14		30
2,4,6-Trichlorophenol	62		56		30-130	10		30
p-Chloro-m-cresol	71		66		23-97	7		30
2-Chlorophenol	71		63		27-123	12		30
2,4-Dichlorophenol	69		61		30-130	12		30
2,4-Dimethylphenol	64		58		30-130	10		30
2-Nitrophenol	61		54		30-130	12		30
4-Nitrophenol	72		67		10-80	7		30
2,4-Dinitrophenol	60		54		20-130	11		30
4,6-Dinitro-o-cresol	60		56		20-164	7		30
Pentachlorophenol	74		68		9-103	8		30
Phenol	62		54		12-110	14		30
2-Methylphenol	70		64		30-130	9		30
3-Methylphenol/4-Methylphenol	73		67		30-130	9		30
2,4,5-Trichlorophenol	61		59		30-130	3		30
Benzoic Acid	59		42		10-164	**34**	Q	30
Benzyl Alcohol	72		67		26-116	7		30
Carbazole	82		76		55-144	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 11 Batch: WG1817950-2 WG1817950-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	65		62		21-120
Phenol-d6	56		53		10-120
Nitrobenzene-d5	64		54		23-120
2-Fluorobiphenyl	57		52		15-120
2,4,6-Tribromophenol	66		64		10-120
4-Terphenyl-d14	70		65		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 11 Batch: WG1817951-2 WG1817951-3								
Acenaphthene	54		52		40-140	4		40
2-Chloronaphthalene	56		54		40-140	4		40
Fluoranthene	66		68		40-140	3		40
Hexachlorobutadiene	55		48		40-140	14		40
Naphthalene	54		48		40-140	12		40
Benzo(a)anthracene	67		69		40-140	3		40
Benzo(a)pyrene	74		75		40-140	1		40
Benzo(b)fluoranthene	68		72		40-140	6		40
Benzo(k)fluoranthene	72		70		40-140	3		40
Chrysene	62		62		40-140	0		40
Acenaphthylene	62		63		40-140	2		40
Anthracene	61		61		40-140	0		40
Benzo(ghi)perylene	75		73		40-140	3		40
Fluorene	58		58		40-140	0		40
Phenanthrene	54		54		40-140	0		40
Dibenzo(a,h)anthracene	75		73		40-140	3		40
Indeno(1,2,3-cd)pyrene	76		73		40-140	4		40
Pyrene	65		67		40-140	3		40
2-Methylnaphthalene	58		54		40-140	7		40
Pentachlorophenol	87		92		40-140	6		40
Hexachlorobenzene	56		56		40-140	0		40
Hexachloroethane	56		49		40-140	13		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 11 Batch: WG1817951-2 WG1817951-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		54		21-120
Phenol-d6	50		49		10-120
Nitrobenzene-d5	71		68		23-120
2-Fluorobiphenyl	52		53		15-120
2,4,6-Tribromophenol	79		84		10-120
4-Terphenyl-d14	58		60		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 10 Batch: WG1818499-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	101		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	101		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	112		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	100		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	104		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	90		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	120		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	102		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	100		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	104		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	65		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	118		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	120		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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): 10 Batch: WG1818499-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	94				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	96				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	79				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	85				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	88				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	76				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 10 Batch: WG1818499-3								
Perfluorobutanoic Acid (PFBA)	103		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	109		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	101		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	98		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	96		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	93		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	95		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	87		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	100		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	101		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	91		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	102		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	102		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	103		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	110		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 10 Batch: WG1818499-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	93				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	97				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	97				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	92				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	92				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	90				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	77				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	82				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 11 Batch: WG1819807-2 WG1819807-3								
1,4-Dioxane	104		101		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	38		48		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1820269-2 WG1820269-3								
Acenaphthene	72		75		31-137	4		50
1,2,4-Trichlorobenzene	74		78		38-107	5		50
Hexachlorobenzene	78		81		40-140	4		50
Bis(2-chloroethyl)ether	77		81		40-140	5		50
2-Chloronaphthalene	78		83		40-140	6		50
1,2-Dichlorobenzene	71		76		40-140	7		50
1,3-Dichlorobenzene	71		74		40-140	4		50
1,4-Dichlorobenzene	72		76		28-104	5		50
3,3'-Dichlorobenzidine	67		65		40-140	3		50
2,4-Dinitrotoluene	90		94		40-132	4		50
2,6-Dinitrotoluene	86		94		40-140	9		50
Fluoranthene	76		81		40-140	6		50
4-Chlorophenyl phenyl ether	76		79		40-140	4		50
4-Bromophenyl phenyl ether	76		80		40-140	5		50
Bis(2-chloroisopropyl)ether	82		88		40-140	7		50
Bis(2-chloroethoxy)methane	80		84		40-117	5		50
Hexachlorobutadiene	74		79		40-140	7		50
Hexachlorocyclopentadiene	68		76		40-140	11		50
Hexachloroethane	76		81		40-140	6		50
Isophorone	79		83		40-140	5		50
Naphthalene	73		79		40-140	8		50
Nitrobenzene	83		87		40-140	5		50
NDPA/DPA	78		81		36-157	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1820269-2 WG1820269-3								
n-Nitrosodi-n-propylamine	83		87		32-121	5		50
Bis(2-ethylhexyl)phthalate	91		98		40-140	7		50
Butyl benzyl phthalate	89		93		40-140	4		50
Di-n-butylphthalate	83		89		40-140	7		50
Di-n-octylphthalate	95		102		40-140	7		50
Diethyl phthalate	84		87		40-140	4		50
Dimethyl phthalate	79		84		40-140	6		50
Benzo(a)anthracene	81		84		40-140	4		50
Benzo(a)pyrene	82		88		40-140	7		50
Benzo(b)fluoranthene	76		83		40-140	9		50
Benzo(k)fluoranthene	78		81		40-140	4		50
Chrysene	81		87		40-140	7		50
Acenaphthylene	77		82		40-140	6		50
Anthracene	78		84		40-140	7		50
Benzo(ghi)perylene	77		81		40-140	5		50
Fluorene	78		80		40-140	3		50
Phenanthrene	76		82		40-140	8		50
Dibenzo(a,h)anthracene	77		81		40-140	5		50
Indeno(1,2,3-cd)pyrene	78		81		40-140	4		50
Pyrene	76		81		35-142	6		50
Biphenyl	77		82		37-127	6		50
4-Chloroaniline	78		82		40-140	5		50
2-Nitroaniline	89		97		47-134	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1820269-2 WG1820269-3								
3-Nitroaniline	86		77		26-129	11		50
4-Nitroaniline	84		86		41-125	2		50
Dibenzofuran	78		81		40-140	4		50
2-Methylnaphthalene	76		81		40-140	6		50
1,2,4,5-Tetrachlorobenzene	80		84		40-117	5		50
Acetophenone	80		84		14-144	5		50
2,4,6-Trichlorophenol	82		87		30-130	6		50
p-Chloro-m-cresol	84		91		26-103	8		50
2-Chlorophenol	82		87		25-102	6		50
2,4-Dichlorophenol	82		87		30-130	6		50
2,4-Dimethylphenol	86		91		30-130	6		50
2-Nitrophenol	90		97		30-130	7		50
4-Nitrophenol	108		113		11-114	5		50
2,4-Dinitrophenol	67		68		4-130	1		50
4,6-Dinitro-o-cresol	84		86		10-130	2		50
Pentachlorophenol	77		80		17-109	4		50
Phenol	77		80		26-90	4		50
2-Methylphenol	83		86		30-130.	4		50
3-Methylphenol/4-Methylphenol	88		92		30-130	4		50
2,4,5-Trichlorophenol	85		91		30-130	7		50
Benzoic Acid	28		33		10-110	16		50
Benzyl Alcohol	86		88		40-140	2		50
Carbazole	78		84		54-128	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 Batch: WG1820269-2 WG1820269-3								
1,4-Dioxane	61		59		40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		82		25-120
Phenol-d6	79		80		10-120
Nitrobenzene-d5	81		83		23-120
2-Fluorobiphenyl	70		73		30-120
2,4,6-Tribromophenol	74		77		10-136
4-Terphenyl-d14	69		72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 07 Batch: WG1820688-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	111		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	112		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	82		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	124		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	99		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	105		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	68		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	92		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	122		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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): 07 Batch: WG1820688-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	79				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	87				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	72				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	82				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	88				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	95				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	58				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07 Batch: WG1820688-3								
Perfluorobutanoic Acid (PFBA)	113		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	118		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	140		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	108		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	110		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	94		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	107		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	93		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	108		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	107		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	84		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	115		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	90		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	126		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 07 Batch: WG1820688-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	83				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	86				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	68				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	86				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	58				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	65				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	46				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820269-4 WG1820269-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
Acenaphthene	ND	1410	700	50		940	66		31-137	29		50
1,2,4-Trichlorobenzene	ND	1410	740	52		1000	70		38-107	30		50
Hexachlorobenzene	ND	1410	710	50		980	68		40-140	32		50
Bis(2-chloroethyl)ether	ND	1410	780	55		1100	77		40-140	34		50
2-Chloronaphthalene	ND	1410	740	52		1000	70		40-140	30		50
1,2-Dichlorobenzene	ND	1410	710	50		960	67		40-140	30		50
1,3-Dichlorobenzene	ND	1410	710	50		960	67		40-140	30		50
1,4-Dichlorobenzene	ND	1410	720	51		960	67		28-104	29		50
3,3'-Dichlorobenzidine	ND	1410	570	40		840	59		40-140	38		50
2,4-Dinitrotoluene	ND	1410	840	60		1200	84		40-132	35		50
2,6-Dinitrotoluene	ND	1410	800	57		1100	77		40-140	32		50
Fluoranthene	39J	1410	760	54		1000	70		40-140	27		50
4-Chlorophenyl phenyl ether	ND	1410	720	51		980	68		40-140	31		50
4-Bromophenyl phenyl ether	ND	1410	720	51		990	69		40-140	32		50
Bis(2-chloroisopropyl)ether	ND	1410	870	62		1200	84		40-140	32		50
Bis(2-chloroethoxy)methane	ND	1410	780	55		1100	77		40-117	34		50
Hexachlorobutadiene	ND	1410	720	51		960	67		40-140	29		50
Hexachlorocyclopentadiene	ND	1410	590	42		790	55		40-140	29		50
Hexachloroethane	ND	1410	770	55		1000	70		40-140	26		50
Isophorone	ND	1410	760	54		1100	77		40-140	37		50
Naphthalene	ND	1410	740	52		990	69		40-140	29		50
Nitrobenzene	ND	1410	820	58		1100	77		40-140	29		50
NDPA/DPA	ND	1410	740	52		1000	70		36-157	30		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820269-4 WG1820269-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
n-Nitrosodi-n-propylamine	ND	1410	810	57		1100	77		32-121	30		50
Bis(2-ethylhexyl)phthalate	ND	1410	880	62		1200	84		40-140	31		50
Butyl benzyl phthalate	ND	1410	820	58		1100	77		40-140	29		50
Di-n-butylphthalate	ND	1410	790	56		1100	77		40-140	33		50
Di-n-octylphthalate	ND	1410	900	64		1200	84		40-140	29		50
Diethyl phthalate	ND	1410	790	56		1100	77		40-140	33		50
Dimethyl phthalate	ND	1410	750	53		1000	70		40-140	29		50
Benzo(a)anthracene	28J	1410	800	57		1000	70		40-140	22		50
Benzo(a)pyrene	ND	1410	810	57		1100	77		40-140	30		50
Benzo(b)fluoranthene	32J	1410	770	55		980	68		40-140	24		50
Benzo(k)fluoranthene	ND	1410	710	50		990	69		40-140	33		50
Chrysene	26J	1410	800	57		1100	77		40-140	32		50
Acenaphthylene	ND	1410	730	52		1000	70		40-140	31		50
Anthracene	ND	1410	740	52		1000	70		40-140	30		50
Benzo(ghi)perylene	ND	1410	700	50		960	67		40-140	31		50
Fluorene	ND	1410	730	52		1000	70		40-140	31		50
Phenanthrene	ND	1410	750	53		1000	70		40-140	29		50
Dibenzo(a,h)anthracene	ND	1410	710	50		970	68		40-140	31		50
Indeno(1,2,3-cd)pyrene	ND	1410	800	57		1100	77		40-140	32		50
Pyrene	40J	1410	750	53		1000	70		35-142	29		50
Biphenyl	ND	1410	720	51		980	68		37-127	31		50
4-Chloroaniline	ND	1410	620	44		920	64		40-140	39		50
2-Nitroaniline	ND	1410	850	60		1200	84		47-134	34		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820269-4 WG1820269-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
3-Nitroaniline	ND	1410	760	54		1100	77		26-129	37		50
4-Nitroaniline	ND	1410	770	55		1100	77		41-125	35		50
Dibenzofuran	ND	1410	770	55		1000	70		40-140	26		50
2-Methylnaphthalene	ND	1410	750	53		1000	70		40-140	29		50
1,2,4,5-Tetrachlorobenzene	ND	1410	730	52		1000	70		40-117	31		50
Acetophenone	ND	1410	770	55		1000	70		14-144	26		50
2,4,6-Trichlorophenol	ND	1410	780	55		1100	77		30-130	34		50
p-Chloro-m-cresol	ND	1410	800	57		1100	77		26-103	32		50
2-Chlorophenol	ND	1410	820	58		1100	77		25-102	29		50
2,4-Dichlorophenol	ND	1410	790	56		1100	77		30-130	33		50
2,4-Dimethylphenol	ND	1410	690	49		980	68		30-130	35		50
2-Nitrophenol	ND	1410	860	61		1200	84		30-130	33		50
4-Nitrophenol	ND	1410	1000	71		1400	98		11-114	33		50
2,4-Dinitrophenol	ND	1410	390J	28		590J	41		4-130	41		50
4,6-Dinitro-o-cresol	ND	1410	760	54		1000	70		10-130	27		50
Pentachlorophenol	ND	1410	750	53		1000	70		17-109	29		50
Phenol	ND	1410	760	54		1000	70		26-90	27		50
2-Methylphenol	ND	1410	780	55		1100	77		30-130.	34		50
3-Methylphenol/4-Methylphenol	ND	1410	820	58		1100	77		30-130	29		50
2,4,5-Trichlorophenol	ND	1410	810	57		1100	77		30-130	30		50
Benzoic Acid	ND	1410	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1410	830	59		1100	77		40-140	28		50
Carbazole	ND	1410	750	**53**	Q	1000	70		54-128	29		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820269-4 WG1820269-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												
1,4-Dioxane	ND	1410	620	44		840	59		40-140	30		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	52		69		10-136
2-Fluorobiphenyl	49		63		30-120
2-Fluorophenol	58		75		25-120
4-Terphenyl-d14	46		60		18-120
Nitrobenzene-d5	57		76		23-120
Phenol-d6	55		73		10-120

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:45
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 14:52
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

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	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	ND		ug/kg	54.5	8.18	1	A
Aroclor 1254	ND		ug/kg	54.5	5.96	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.92	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	ND		ug/kg	54.5	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:58
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:00
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.1	4.98	1	A
Aroclor 1221	ND		ug/kg	56.1	5.62	1	A
Aroclor 1232	ND		ug/kg	56.1	11.9	1	A
Aroclor 1242	ND		ug/kg	56.1	7.56	1	A
Aroclor 1248	ND		ug/kg	56.1	8.42	1	A
Aroclor 1254	ND		ug/kg	56.1	6.14	1	A
Aroclor 1260	ND		ug/kg	56.1	10.4	1	A
Aroclor 1262	ND		ug/kg	56.1	7.13	1	A
Aroclor 1268	ND		ug/kg	56.1	5.81	1	A
PCBs, Total	ND		ug/kg	56.1	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:08
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

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	71		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 22:53
Analyst: AD
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/23/23 18:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	56.3	5.00	1	A
Aroclor 1221	ND		ug/kg	56.3	5.64	1	A
Aroclor 1232	ND		ug/kg	56.3	11.9	1	A
Aroclor 1242	ND		ug/kg	56.3	7.58	1	A
Aroclor 1248	ND		ug/kg	56.3	8.44	1	A
Aroclor 1254	ND		ug/kg	56.3	6.16	1	A
Aroclor 1260	ND		ug/kg	56.3	10.4	1	A
Aroclor 1262	ND		ug/kg	56.3	7.15	1	A
Aroclor 1268	ND		ug/kg	56.3	5.83	1	A
PCBs, Total	ND		ug/kg	56.3	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:50
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:24
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.8	4.77	1	A
Aroclor 1221	ND		ug/kg	53.8	5.39	1	A
Aroclor 1232	ND		ug/kg	53.8	11.4	1	A
Aroclor 1242	ND		ug/kg	53.8	7.25	1	A
Aroclor 1248	ND		ug/kg	53.8	8.06	1	A
Aroclor 1254	ND		ug/kg	53.8	5.88	1	A
Aroclor 1260	ND		ug/kg	53.8	9.93	1	A
Aroclor 1262	ND		ug/kg	53.8	6.83	1	A
Aroclor 1268	ND		ug/kg	53.8	5.57	1	A
PCBs, Total	ND		ug/kg	53.8	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:13
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:32
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

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	5.26	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	7.87	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	60		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:40
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.1	4.72	1	A
Aroclor 1221	ND		ug/kg	53.1	5.32	1	A
Aroclor 1232	ND		ug/kg	53.1	11.2	1	A
Aroclor 1242	ND		ug/kg	53.1	7.16	1	A
Aroclor 1248	ND		ug/kg	53.1	7.96	1	A
Aroclor 1254	ND		ug/kg	53.1	5.81	1	A
Aroclor 1260	ND		ug/kg	53.1	9.81	1	A
Aroclor 1262	ND		ug/kg	53.1	6.74	1	A
Aroclor 1268	ND		ug/kg	53.1	5.50	1	A
PCBs, Total	ND		ug/kg	53.1	4.72	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	70		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:55
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 14:28
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

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	5.04	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	7.54	1	A
Aroclor 1254	ND		ug/kg	50.2	5.50	1	A
Aroclor 1260	ND		ug/kg	50.2	9.29	1	A
Aroclor 1262	ND		ug/kg	50.2	6.38	1	A
Aroclor 1268	ND		ug/kg	50.2	5.21	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	69		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 00:00
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/23 15:48
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

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	8.26	1	A
Aroclor 1254	ND		ug/kg	55.1	6.03	1	A
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	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	66		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/22/23 12:05
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/21/23 13:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/23

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	B
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	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/23 10:49
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 08/21/23 13:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 11 Batch: WG1818319-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/23 14:04
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/22/23 13:23
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03,05-09 Batch: WG1818742-1						
Aroclor 1016	ND		ug/kg	49.9	4.43	A
Aroclor 1221	ND		ug/kg	49.9	5.00	A
Aroclor 1232	ND		ug/kg	49.9	10.6	A
Aroclor 1242	ND		ug/kg	49.9	6.73	A
Aroclor 1248	ND		ug/kg	49.9	7.48	A
Aroclor 1254	ND		ug/kg	49.9	5.46	A
Aroclor 1260	ND		ug/kg	49.9	9.22	A
Aroclor 1262	ND		ug/kg	49.9	6.34	A
Aroclor 1268	ND		ug/kg	49.9	5.17	A
PCBs, Total	ND		ug/kg	49.9	4.43	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/23 23:00
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 08/23/23 18:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04 Batch: WG1819365-1						
Aroclor 1016	ND		ug/kg	47.8	4.25	A
Aroclor 1221	ND		ug/kg	47.8	4.79	A
Aroclor 1232	ND		ug/kg	47.8	10.1	A
Aroclor 1242	ND		ug/kg	47.8	6.45	A
Aroclor 1248	ND		ug/kg	47.8	7.18	A
Aroclor 1254	ND		ug/kg	47.8	5.23	A
Aroclor 1260	ND		ug/kg	47.8	8.84	A
Aroclor 1262	ND		ug/kg	47.8	6.08	A
Aroclor 1268	ND		ug/kg	47.8	4.96	A
PCBs, Total	ND		ug/kg	47.8	4.25	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 11 Batch: WG1818319-2 WG1818319-3									
Aroclor 1016	80		83		40-140	5		50	A
Aroclor 1260	67		70		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		76		30-150	A
Decachlorobiphenyl	79		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		65		30-150	B
Decachlorobiphenyl	77		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-09 Batch: WG1818742-2 WG1818742-3									
Aroclor 1016	80		75		40-140	6		50	A
Aroclor 1260	81		75		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		72		30-150	A
Decachlorobiphenyl	78		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		74		30-150	B
Decachlorobiphenyl	84		76		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04 Batch: WG1819365-2 WG1819365-3									
Aroclor 1016	64		69		40-140	8		50	A
Aroclor 1260	66		71		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		73		30-150	A
Decachlorobiphenyl	83		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	B
Decachlorobiphenyl	69		74		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03,05-09 QC Batch ID: WG1818742-4 WG1818742-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)													
Aroclor 1016	ND	329	252	77		251	74		40-140	0		50	A
Aroclor 1260	ND	329	254	77		252	74		40-140	1		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		73		30-150	A
Decachlorobiphenyl	78		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		76		30-150	B
Decachlorobiphenyl	82		77		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:45
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 15:26
Analyst: KB
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

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	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	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	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.784	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.560	1	A
4,4'-DDE	1.51	J	ug/kg	1.79	0.414	1	A
4,4'-DDD	ND		ug/kg	1.79	0.639	1	A
4,4'-DDT	2.85		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.04	1	A
Toxaphene	ND		ug/kg	33.6	9.41	1	A
cis-Chlordane	ND		ug/kg	2.24	0.624	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.9	5.94	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	67		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:58
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 15:38
Analyst: KB
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

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	0.664	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	3.28	0.985	1	A
Endrin	ND		ug/kg	0.730	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.766	1	A
Endrin ketone	ND		ug/kg	1.75	0.451	1	A
Dieldrin	ND		ug/kg	1.09	0.547	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	0.585	1	A
Endosulfan sulfate	ND		ug/kg	0.730	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	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	5.80	1	A

Project Name: SA 101 E 150TH
Lab Number: L2348172
Project Number: 41.0163097.00
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/28/23 14:12
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 22:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.878	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.626	1	A
4,4'-DDT	ND		ug/kg	1.76	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.19	0.612	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:24
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 15:50
Analyst: KB
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.89	0.370	1	A
Lindane	ND		ug/kg	0.787	0.352	1	A
Alpha-BHC	ND		ug/kg	0.787	0.224	1	A
Beta-BHC	ND		ug/kg	1.89	0.716	1	A
Heptachlor	ND		ug/kg	0.944	0.423	1	A
Aldrin	ND		ug/kg	1.89	0.665	1	A
Heptachlor epoxide	ND		ug/kg	3.54	1.06	1	A
Endrin	ND		ug/kg	0.787	0.323	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.826	1	A
Endrin ketone	ND		ug/kg	1.89	0.486	1	A
Dieldrin	ND		ug/kg	1.18	0.590	1	A
4,4'-DDE	ND		ug/kg	1.89	0.437	1	A
4,4'-DDD	ND		ug/kg	1.89	0.674	1	A
4,4'-DDT	ND		ug/kg	1.89	1.52	1	A
Endosulfan I	ND		ug/kg	1.89	0.446	1	A
Endosulfan II	ND		ug/kg	1.89	0.631	1	A
Endosulfan sulfate	ND		ug/kg	0.787	0.375	1	A
Methoxychlor	ND		ug/kg	3.54	1.10	1	A
Toxaphene	ND		ug/kg	35.4	9.92	1	A
cis-Chlordane	ND		ug/kg	2.36	0.658	1	A
trans-Chlordane	ND		ug/kg	2.36	0.623	1	A
Chlordane	ND		ug/kg	15.7	6.26	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
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	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:50
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 16:02
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.74	0.340	1	A
Lindane	ND		ug/kg	0.724	0.324	1	A
Alpha-BHC	ND		ug/kg	0.724	0.206	1	A
Beta-BHC	ND		ug/kg	1.74	0.659	1	A
Heptachlor	ND		ug/kg	0.868	0.389	1	A
Aldrin	ND		ug/kg	1.74	0.612	1	A
Heptachlor epoxide	ND		ug/kg	3.26	0.977	1	A
Endrin	ND		ug/kg	0.724	0.297	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.760	1	A
Endrin ketone	ND		ug/kg	1.74	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.543	1	A
4,4'-DDE	ND		ug/kg	1.74	0.402	1	A
4,4'-DDD	ND		ug/kg	1.74	0.620	1	A
4,4'-DDT	ND		ug/kg	1.74	1.40	1	A
Endosulfan I	ND		ug/kg	1.74	0.410	1	A
Endosulfan II	ND		ug/kg	1.74	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.724	0.344	1	A
Methoxychlor	ND		ug/kg	3.26	1.01	1	A
Toxaphene	ND		ug/kg	32.6	9.12	1	A
cis-Chlordane	ND		ug/kg	2.17	0.605	1	A
trans-Chlordane	ND		ug/kg	2.17	0.573	1	A
Chlordane	ND		ug/kg	14.5	5.75	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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	72		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:13
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 16:14
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

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	0.745	0.333	1	A
Alpha-BHC	ND		ug/kg	0.745	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.678	1	A
Heptachlor	ND		ug/kg	0.894	0.401	1	A
Aldrin	ND		ug/kg	1.79	0.630	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.745	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.782	1	A
Endrin ketone	ND		ug/kg	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.559	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	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	0.422	1	A
Endosulfan II	ND		ug/kg	1.79	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.745	0.355	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.39	1	A
cis-Chlordane	ND		ug/kg	2.23	0.623	1	A
trans-Chlordane	ND		ug/kg	2.23	0.590	1	A
Chlordane	ND		ug/kg	14.9	5.92	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:13
Date Received: 08/18/23
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	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 16:51
Analyst: KB
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.348	1	A
Lindane	ND		ug/kg	0.741	0.331	1	A
Alpha-BHC	ND		ug/kg	0.741	0.210	1	A
Beta-BHC	ND		ug/kg	1.78	0.674	1	A
Heptachlor	ND		ug/kg	0.889	0.399	1	A
Aldrin	ND		ug/kg	1.78	0.626	1	A
Heptachlor epoxide	ND		ug/kg	3.33	1.00	1	A
Endrin	ND		ug/kg	0.741	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.22	0.778	1	A
Endrin ketone	ND		ug/kg	1.78	0.458	1	A
Dieldrin	ND		ug/kg	1.11	0.556	1	A
4,4'-DDE	1.20	J	ug/kg	1.78	0.411	1	B
4,4'-DDD	ND		ug/kg	1.78	0.634	1	A
4,4'-DDT	ND		ug/kg	1.78	1.43	1	B
Endosulfan I	ND		ug/kg	1.78	0.420	1	A
Endosulfan II	ND		ug/kg	1.78	0.594	1	A
Endosulfan sulfate	ND		ug/kg	0.741	0.353	1	A
Methoxychlor	ND		ug/kg	3.33	1.04	1	A
Toxaphene	ND		ug/kg	33.3	9.34	1	A
cis-Chlordane	ND		ug/kg	2.22	0.619	1	A
trans-Chlordane	ND		ug/kg	2.22	0.587	1	A
Chlordane	ND		ug/kg	14.8	5.89	1	A

Project Name: SA 101 E 150TH
Lab Number: L2348172
Project Number: 41.0163097.00
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:55
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 17:03
Analyst: KB
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	ND		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.73	0.447	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	0.635	JP	ug/kg	1.73	0.401	1	B
4,4'-DDD	ND		ug/kg	1.73	0.619	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	B
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:55
Date Received: 08/18/23
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	56		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 00:00
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/23 17:15
Analyst: KB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.737	0.329	1	A
Alpha-BHC	ND		ug/kg	0.737	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.884	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.995	1	A
Endrin	ND		ug/kg	0.737	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.774	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.553	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.631	1	A
4,4'-DDT	ND		ug/kg	1.77	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.591	1	A
Endosulfan sulfate	ND		ug/kg	0.737	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.28	1	A
cis-Chlordane	ND		ug/kg	2.21	0.616	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.7	5.86	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	**155**	Q	30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/21/23 17:30
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 11:58

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 14:10
Date Received: 08/18/23
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	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/21/23 16:57
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 11:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1817984-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/21/23 16:57
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/20/23 11:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 11 Batch: WG1817984-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/23 14:50
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1820206-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.662	0.296	A
Alpha-BHC	ND		ug/kg	0.662	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.603	A
Heptachlor	ND		ug/kg	0.795	0.356	A
Aldrin	ND		ug/kg	1.59	0.560	A
Heptachlor epoxide	ND		ug/kg	2.98	0.894	A
Endrin	ND		ug/kg	0.662	0.272	A
Endrin aldehyde	ND		ug/kg	1.99	0.695	A
Endrin ketone	ND		ug/kg	1.59	0.409	A
Dieldrin	ND		ug/kg	0.993	0.497	A
4,4'-DDE	ND		ug/kg	1.59	0.368	A
4,4'-DDD	ND		ug/kg	1.59	0.567	A
4,4'-DDT	ND		ug/kg	1.59	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.531	A
Endosulfan sulfate	ND		ug/kg	0.662	0.315	A
Methoxychlor	ND		ug/kg	2.98	0.927	A
Toxaphene	ND		ug/kg	29.8	8.34	A
cis-Chlordane	ND		ug/kg	1.99	0.554	A
trans-Chlordane	ND		ug/kg	1.99	0.524	A
Chlordane	ND		ug/kg	13.2	5.26	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/23 14:50
Analyst: KB

Extraction Method: EPA 3546
Extraction Date: 08/25/23 10:56
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-09 Batch: WG1820206-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1817984-2 WG1817984-3									
Delta-BHC	82		76		30-150	8		20	A
Lindane	76		74		30-150	3		20	A
Alpha-BHC	76		71		30-150	7		20	A
Beta-BHC	80		78		30-150	3		20	A
Heptachlor	80		72		30-150	11		20	A
Aldrin	69		68		30-150	0		20	A
Heptachlor epoxide	70		67		30-150	5		20	A
Endrin	74		72		30-150	2		20	A
Endrin aldehyde	50		50		30-150	0		20	A
Endrin ketone	73		69		30-150	5		20	A
Dieldrin	77		78		30-150	0		20	A
4,4'-DDE	66		64		30-150	4		20	A
4,4'-DDD	69		68		30-150	2		20	A
4,4'-DDT	71		75		30-150	5		20	A
Endosulfan I	86		92		30-150	7		20	A
Endosulfan II	70		67		30-150	5		20	A
Endosulfan sulfate	68		64		30-150	6		20	A
Methoxychlor	74		74		30-150	1		20	A
cis-Chlordane	61		59		30-150	3		20	A
trans-Chlordane	86		80		30-150	7		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 11 Batch: WG1817984-2 WG1817984-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		65		30-150	A
Decachlorobiphenyl	41		41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150	B
Decachlorobiphenyl	59		54		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1820206-2 WG1820206-3									
Delta-BHC	97		84		30-150	14		30	A
Lindane	87		77		30-150	12		30	A
Alpha-BHC	87		77		30-150	12		30	A
Beta-BHC	117		92		30-150	24		30	A
Heptachlor	91		81		30-150	12		30	A
Aldrin	82		72		30-150	13		30	A
Heptachlor epoxide	76		68		30-150	11		30	A
Endrin	88		78		30-150	12		30	A
Endrin aldehyde	53		51		30-150	4		30	A
Endrin ketone	80		73		30-150	9		30	A
Dieldrin	92		80		30-150	14		30	A
4,4'-DDE	86		76		30-150	12		30	A
4,4'-DDD	97		85		30-150	13		30	A
4,4'-DDT	97		83		30-150	16		30	A
Endosulfan I	90		77		30-150	16		30	A
Endosulfan II	89		78		30-150	13		30	A
Endosulfan sulfate	63		58		30-150	8		30	A
Methoxychlor	90		87		30-150	3		30	A
cis-Chlordane	77		68		30-150	12		30	A
trans-Chlordane	97		85		30-150	13		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 Batch: WG1820206-2 WG1820206-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		55		30-150	A
Decachlorobiphenyl	71		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		57		30-150	B
Decachlorobiphenyl	68		59		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820206-4 WG1820206-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)													
Delta-BHC	ND	35.2	29.2	83		30.2	85		30-150	3		50	A
Lindane	ND	35.2	26.0	74		27.7	78		30-150	6		50	A
Alpha-BHC	ND	35.2	26.3	75		28.1	79		30-150	7		50	A
Beta-BHC	ND	35.2	29.2	83		28.1	79		30-150	4		50	A
Heptachlor	ND	35.2	27.0	77		28.7	81		30-150	6		50	A
Aldrin	ND	35.2	24.5	70		25.8	72		30-150	5		50	A
Heptachlor epoxide	ND	35.2	23.3	66		24.8	70		30-150	6		50	A
Endrin	ND	35.2	26.8	76		28.2	79		30-150	5		50	A
Endrin aldehyde	ND	35.2	15.8	45		17.5	49		30-150	10		50	A
Endrin ketone	ND	35.2	24.7	70		26.6	75		30-150	7		50	A
Dieldrin	ND	35.2	27.5	78		29.0	81		30-150	5		50	A
4,4'-DDE	0.635JP	35.2	28.6	81		28.8	81		30-150	1		50	B
4,4'-DDD	ND	35.2	29.6	84		31.0	87		30-150	5		50	A
4,4'-DDT	ND	35.2	28.9	82		29.0	81		30-150	0		50	B
Endosulfan I	ND	35.2	25.2	72		26.6	75		30-150	5		50	A
Endosulfan II	ND	35.2	27.0	77		28.6	80		30-150	6		50	A
Endosulfan sulfate	ND	35.2	18.8	53		20.9	59		30-150	11		50	A
Methoxychlor	ND	35.2	27.8	79		29.2	82		30-150	5		50	A
cis-Chlordane	ND	35.2	23.0	65		24.2	68		30-150	5		50	A
trans-Chlordane	ND	35.2	28.9	82		30.6	86		30-150	6		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1820206-4 WG1820206-5 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		60		30-150	A
Decachlorobiphenyl	68		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		60		30-150	B
Decachlorobiphenyl	73		72		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	9330		mg/kg	9.01	2.43	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.51	0.342	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Arsenic, Total	3.88		mg/kg	0.901	0.187	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Barium, Total	47.7		mg/kg	0.901	0.157	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.343	J	mg/kg	0.451	0.030	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Cadmium, Total	0.170	J	mg/kg	0.901	0.088	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Calcium, Total	2290		mg/kg	9.01	3.15	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Chromium, Total	16.9		mg/kg	0.901	0.087	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Cobalt, Total	4.09		mg/kg	1.80	0.150	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Copper, Total	19.6		mg/kg	0.901	0.232	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Iron, Total	10800		mg/kg	4.51	0.814	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Lead, Total	52.0		mg/kg	4.51	0.242	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Magnesium, Total	2630		mg/kg	9.01	1.39	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Manganese, Total	347		mg/kg	0.901	0.143	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.090	0.059	1	08/23/23 00:30	08/28/23 20:55	EPA 7471B	1,7471B	DMB
Nickel, Total	9.94		mg/kg	2.25	0.218	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Potassium, Total	756		mg/kg	225	13.0	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.80	0.232	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.451	0.255	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Sodium, Total	69.8	J	mg/kg	180	2.84	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Thallium, Total	0.503	J	mg/kg	1.80	0.284	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Vanadium, Total	16.5		mg/kg	0.901	0.183	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC
Zinc, Total	83.3		mg/kg	4.51	0.264	2	08/22/23 23:13	09/01/23 12:01	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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	6640		mg/kg	8.75	2.36	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.37	0.332	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.38		mg/kg	0.875	0.182	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Barium, Total	28.3		mg/kg	0.875	0.152	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.324	J	mg/kg	0.437	0.029	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.875	0.086	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Calcium, Total	674		mg/kg	8.75	3.06	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Chromium, Total	9.47		mg/kg	0.875	0.084	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.43		mg/kg	1.75	0.145	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Copper, Total	7.20		mg/kg	0.875	0.226	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Iron, Total	9670		mg/kg	4.37	0.790	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Lead, Total	8.39		mg/kg	4.37	0.234	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Magnesium, Total	1830		mg/kg	8.75	1.35	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Manganese, Total	296		mg/kg	0.875	0.139	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.084	0.055	1	08/23/23 00:30	08/28/23 20:59	EPA 7471B	1,7471B	DMB
Nickel, Total	8.28		mg/kg	2.19	0.212	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Potassium, Total	496		mg/kg	219	12.6	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.75	0.226	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.437	0.248	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Sodium, Total	74.1	J	mg/kg	175	2.76	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Thallium, Total	ND		mg/kg	1.75	0.276	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Vanadium, Total	10.9		mg/kg	0.875	0.178	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC
Zinc, Total	18.7		mg/kg	4.37	0.256	2	08/22/23 23:13	09/01/23 12:05	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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	6010		mg/kg	8.64	2.33	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.32	0.328	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.48		mg/kg	0.864	0.180	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Barium, Total	21.2		mg/kg	0.864	0.150	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.309	J	mg/kg	0.432	0.029	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.864	0.085	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Calcium, Total	376		mg/kg	8.64	3.02	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Chromium, Total	8.18		mg/kg	0.864	0.083	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.49		mg/kg	1.73	0.143	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Copper, Total	6.74		mg/kg	0.864	0.223	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Iron, Total	9510		mg/kg	4.32	0.780	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Lead, Total	3.92	J	mg/kg	4.32	0.232	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Magnesium, Total	1730		mg/kg	8.64	1.33	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Manganese, Total	300		mg/kg	0.864	0.137	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.073	0.048	1	08/23/23 00:30	08/28/23 21:02	EPA 7471B	1,7471B	DMB
Nickel, Total	8.41		mg/kg	2.16	0.209	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Potassium, Total	441		mg/kg	216	12.4	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.73	0.223	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.432	0.244	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Sodium, Total	138	J	mg/kg	173	2.72	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Thallium, Total	0.282	J	mg/kg	1.73	0.272	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Vanadium, Total	11.6		mg/kg	0.864	0.175	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC
Zinc, Total	14.8		mg/kg	4.32	0.253	2	08/22/23 23:13	09/01/23 12:08	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:24
Date Received: 08/18/23
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	5630		mg/kg	9.23	2.49	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.62	0.351	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.38		mg/kg	0.923	0.192	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Barium, Total	20.3		mg/kg	0.923	0.161	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.302	J	mg/kg	0.462	0.031	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.923	0.091	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Calcium, Total	656		mg/kg	9.23	3.23	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Chromium, Total	8.48		mg/kg	0.923	0.089	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.81		mg/kg	1.85	0.153	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Copper, Total	6.15		mg/kg	0.923	0.238	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Iron, Total	10300		mg/kg	4.62	0.834	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Lead, Total	4.46	J	mg/kg	4.62	0.247	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Magnesium, Total	1960		mg/kg	9.23	1.42	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Manganese, Total	320		mg/kg	0.923	0.147	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.088	0.058	1	08/23/23 00:30	08/28/23 21:12	EPA 7471B	1,7471B	DMB
Nickel, Total	8.42		mg/kg	2.31	0.223	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Potassium, Total	702		mg/kg	231	13.3	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.85	0.238	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.462	0.261	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Sodium, Total	143	J	mg/kg	185	2.91	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Thallium, Total	0.301	J	mg/kg	1.85	0.291	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Vanadium, Total	11.7		mg/kg	0.923	0.187	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC
Zinc, Total	23.8		mg/kg	4.62	0.270	2	08/22/23 23:13	09/01/23 12:11	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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	6210		mg/kg	8.50	2.30	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.25	0.323	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.53		mg/kg	0.850	0.177	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Barium, Total	32.0		mg/kg	0.850	0.148	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.299	J	mg/kg	0.425	0.028	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.850	0.083	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Calcium, Total	1030		mg/kg	8.50	2.98	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Chromium, Total	9.93		mg/kg	0.850	0.082	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.71		mg/kg	1.70	0.141	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Copper, Total	9.49		mg/kg	0.850	0.219	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Iron, Total	9720		mg/kg	4.25	0.768	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Lead, Total	12.7		mg/kg	4.25	0.228	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Magnesium, Total	1910		mg/kg	8.50	1.31	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Manganese, Total	336		mg/kg	0.850	0.135	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.081	0.053	1	08/23/23 00:30	08/28/23 21:15	EPA 7471B	1,7471B	DMB
Nickel, Total	7.90		mg/kg	2.13	0.206	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Potassium, Total	462		mg/kg	213	12.2	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.70	0.219	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.425	0.241	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Sodium, Total	77.1	J	mg/kg	170	2.68	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Thallium, Total	0.322	J	mg/kg	1.70	0.268	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Vanadium, Total	11.8		mg/kg	0.850	0.173	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC
Zinc, Total	24.4		mg/kg	4.25	0.249	2	08/22/23 23:13	09/01/23 12:14	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:13
Date Received: 08/18/23
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	5820		mg/kg	8.83	2.38	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.42	0.336	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.69		mg/kg	0.883	0.184	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Barium, Total	28.4		mg/kg	0.883	0.154	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.308	J	mg/kg	0.442	0.029	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.883	0.087	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Calcium, Total	2820		mg/kg	8.83	3.09	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Chromium, Total	8.72		mg/kg	0.883	0.085	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.74		mg/kg	1.77	0.147	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Copper, Total	10.1		mg/kg	0.883	0.228	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Iron, Total	10500		mg/kg	4.42	0.797	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Lead, Total	20.3		mg/kg	4.42	0.237	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Magnesium, Total	2460		mg/kg	8.83	1.36	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Manganese, Total	325		mg/kg	0.883	0.140	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Mercury, Total	0.117		mg/kg	0.075	0.049	1	08/23/23 00:30	08/28/23 21:18	EPA 7471B	1,7471B	DMB
Nickel, Total	8.59		mg/kg	2.21	0.214	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Potassium, Total	626		mg/kg	221	12.7	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.442	0.250	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Sodium, Total	108	J	mg/kg	177	2.78	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Thallium, Total	0.400	J	mg/kg	1.77	0.278	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Vanadium, Total	12.9		mg/kg	0.883	0.179	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC
Zinc, Total	28.1		mg/kg	4.42	0.259	2	08/22/23 23:13	09/01/23 12:18	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:37
Date Received: 08/18/23
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	6290		mg/kg	8.86	2.39	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.43	0.337	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.98		mg/kg	0.886	0.184	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Barium, Total	37.8		mg/kg	0.886	0.154	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.309	J	mg/kg	0.443	0.029	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.886	0.087	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Calcium, Total	1470		mg/kg	8.86	3.10	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Chromium, Total	9.90		mg/kg	0.886	0.085	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.80		mg/kg	1.77	0.147	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Copper, Total	10.7		mg/kg	0.886	0.229	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Iron, Total	9870		mg/kg	4.43	0.800	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Lead, Total	23.5		mg/kg	4.43	0.238	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Magnesium, Total	1960		mg/kg	8.86	1.36	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Manganese, Total	254		mg/kg	0.886	0.141	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.080	0.052	1	08/23/23 00:30	08/28/23 21:22	EPA 7471B	1,7471B	DMB
Nickel, Total	9.04		mg/kg	2.22	0.214	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Potassium, Total	698		mg/kg	222	12.8	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.77	0.229	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.443	0.251	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Sodium, Total	89.1	J	mg/kg	177	2.79	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Thallium, Total	0.458	J	mg/kg	1.77	0.279	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Vanadium, Total	14.4		mg/kg	0.886	0.180	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC
Zinc, Total	40.4		mg/kg	4.43	0.260	2	08/22/23 23:13	09/01/23 12:27	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 08/18/23 12:55
Date Received: 08/18/23
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	6730		mg/kg	8.39	2.26	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.19	0.319	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.45		mg/kg	0.839	0.174	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Barium, Total	35.3		mg/kg	0.839	0.146	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.303	J	mg/kg	0.419	0.028	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Cadmium, Total	0.135	J	mg/kg	0.839	0.082	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Calcium, Total	634		mg/kg	8.39	2.94	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Chromium, Total	10.1		mg/kg	0.839	0.081	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.50		mg/kg	1.68	0.139	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Copper, Total	7.14		mg/kg	0.839	0.216	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Iron, Total	9860		mg/kg	4.19	0.757	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Lead, Total	4.74		mg/kg	4.19	0.225	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Magnesium, Total	1900		mg/kg	8.39	1.29	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Manganese, Total	253		mg/kg	0.839	0.133	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.077	0.050	1	08/23/23 00:30	08/28/23 20:32	EPA 7471B	1,7471B	DMB
Nickel, Total	9.65		mg/kg	2.10	0.203	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Potassium, Total	579		mg/kg	210	12.1	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.68	0.216	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.419	0.237	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Sodium, Total	72.5	J	mg/kg	168	2.64	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Thallium, Total	0.359	J	mg/kg	1.68	0.264	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Vanadium, Total	11.9		mg/kg	0.839	0.170	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC
Zinc, Total	97.7		mg/kg	4.19	0.246	2	08/22/23 23:13	09/01/23 11:31	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY
Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	6220		mg/kg	8.61	2.32	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Antimony, Total	ND		mg/kg	4.30	0.327	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Arsenic, Total	1.39		mg/kg	0.861	0.179	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Barium, Total	38.4		mg/kg	0.861	0.150	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Beryllium, Total	0.316	J	mg/kg	0.430	0.028	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.861	0.084	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Calcium, Total	933		mg/kg	8.61	3.01	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Chromium, Total	10.2		mg/kg	0.861	0.083	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Cobalt, Total	3.24		mg/kg	1.72	0.143	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Copper, Total	8.95		mg/kg	0.861	0.222	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Iron, Total	9190		mg/kg	4.30	0.778	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Lead, Total	13.4		mg/kg	4.30	0.231	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Magnesium, Total	1660		mg/kg	8.61	1.33	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Manganese, Total	361		mg/kg	0.861	0.137	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Mercury, Total	ND		mg/kg	0.088	0.057	1	08/23/23 00:30	08/28/23 21:25	EPA 7471B	1,7471B	DMB
Nickel, Total	7.26		mg/kg	2.15	0.208	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Potassium, Total	360		mg/kg	215	12.4	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Silver, Total	ND		mg/kg	0.430	0.244	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Sodium, Total	84.8	J	mg/kg	172	2.71	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Vanadium, Total	11.9		mg/kg	0.861	0.175	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC
Zinc, Total	24.1		mg/kg	4.30	0.252	2	08/22/23 23:13	09/01/23 12:31	EPA 3050B	1,6010D	MRC

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-11
Client ID: FB 2023-08-18
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 08/18/23 14:10
Date Received: 08/18/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Barium, Total	0.00064		mg/l	0.00050	0.00017	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Calcium, Total	0.0604	J	mg/l	0.100	0.0394	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/23 23:00	08/24/23 21:01	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Sodium, Total	0.285		mg/l	0.100	0.0293	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/23/23 21:15	09/08/23 08:11	EPA 3005A	1,6020B	EJF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

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): 01-09 Batch: WG1818828-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Iron, Total	ND		mg/kg	2.00	0.361	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Potassium, Total	ND		mg/kg	100	5.76	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Silver, Total	ND		mg/kg	0.200	0.113	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/22/23 23:13	09/01/23 11:15	1,6010D	MRC

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): 01-09 Batch: WG1818829-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/23/23 00:30	08/28/23 20:19	1,7471B	DMB

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

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): 11 Batch: WG1819294-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/23/23 21:15	08/27/23 17:47	1,6020B	WKP

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2348172
Report Date: 09/08/23

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): 11 Batch: WG1819299-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/23 23:00	08/24/23 20:48	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1818828-2 SRM Lot Number: D119-540								
Aluminum, Total	82		-		48-152	-		
Antimony, Total	108		-		10-190	-		
Arsenic, Total	99		-		83-117	-		
Barium, Total	97		-		82-118	-		
Beryllium, Total	101		-		83-117	-		
Cadmium, Total	91		-		82-117	-		
Calcium, Total	100		-		81-118	-		
Chromium, Total	101		-		82-119	-		
Cobalt, Total	100		-		83-117	-		
Copper, Total	98		-		84-116	-		
Iron, Total	109		-		60-140	-		
Lead, Total	102		-		82-118	-		
Magnesium, Total	97		-		76-124	-		
Manganese, Total	101		-		82-118	-		
Nickel, Total	98		-		82-117	-		
Potassium, Total	93		-		70-130	-		
Selenium, Total	103		-		79-121	-		
Silver, Total	99		-		80-120	-		
Sodium, Total	100		-		74-126	-		
Thallium, Total	102		-		81-119	-		
Vanadium, Total	98		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1818828-2 SRM Lot Number: D119-540					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-09 Batch: WG1818829-2 SRM Lot Number: D119-540					
Mercury, Total	100	-	73-127	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1819294-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	103	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	101	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	105	-	80-120	-	
Lead, Total	108	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	101	-	80-120	-	
Potassium, Total	108	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	106	-	80-120	-	
Sodium, Total	108	-	80-120	-	
Thallium, Total	106	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1819294-2					
Zinc, Total	103	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 11 Batch: WG1819299-2					
Mercury, Total	89	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 01-09 (5'BGS)	QC Batch ID: WG1818828-3					WG1818828-4	QC Sample: L2348172-08			Client ID: EP-35		
Aluminum, Total	6730	168	7690	**570**	Q	7250	**309**	Q	75-125	6		20
Antimony, Total	ND	42.1	27.0	**64**	Q	25.8	**61**	Q	75-125	5		20
Arsenic, Total	1.45	10.1	11.4	98		11.0	94		75-125	4		20
Barium, Total	35.3	168	193	94		191	92		75-125	1		20
Beryllium, Total	0.303J	4.21	4.61	109		4.53	108		75-125	2		20
Cadmium, Total	0.135J	4.47	4.05	91		4.02	90		75-125	1		20
Calcium, Total	634	843	1480	100		1470	99		75-125	1		20
Chromium, Total	10.1	16.8	26.9	100		26.2	96		75-125	3		20
Cobalt, Total	3.50	42.1	42.7	93		42.2	92		75-125	1		20
Copper, Total	7.14	21.1	28.0	99		27.1	95		75-125	3		20
Iron, Total	9860	84.3	10400	**641**	Q	9750	**0**	Q	75-125	6		20
Lead, Total	4.74	44.7	48.1	97		47.3	95		75-125	2		20
Magnesium, Total	1900	843	2840	112		2610	84		75-125	8		20
Manganese, Total	253	42.1	286	78		290	88		75-125	1		20
Nickel, Total	9.65	42.1	48.9	93		47.7	90		75-125	2		20
Potassium, Total	579	843	1520	112		1450	103		75-125	5		20
Selenium, Total	ND	10.1	9.84	97		9.66	96		75-125	2		20
Silver, Total	ND	4.21	4.25	101		4.14	98		75-125	3		20
Sodium, Total	72.5J	843	917	109		908	108		75-125	1		20
Thallium, Total	0.359J	10.1	10.2	101		10.1	100		75-125	1		20
Vanadium, Total	11.9	42.1	53.4	98		51.7	94		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 01-09 (5'BGS)	QC Batch ID: WG1818828-3					WG1818828-4	QC Sample: L2348172-08			Client ID: EP-35		
Zinc, Total	97.7	42.1	138	96		132	81		75-125	4		20
Total Metals - Mansfield Lab Associated sample(s): 01-09 (5'BGS)	QC Batch ID: WG1818829-3					WG1818829-4	QC Sample: L2348172-08			Client ID: EP-35		
Mercury, Total	ND	1.56	1.56	100		2.35	**148**	Q	80-120	**40**	Q	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 11 QC Batch ID: WG1819294-3 QC Sample: L2200084-118 Client ID: MS Sample										
Aluminum, Total	0.526	2	2.60	104		-	-	75-125	-	20
Antimony, Total	0.0011J	0.5	0.5084	102		-	-	75-125	-	20
Arsenic, Total	0.0020	0.12	0.1303	107		-	-	75-125	-	20
Barium, Total	0.0485	2	2.108	103		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05379	108		-	-	75-125	-	20
Cadmium, Total	0.0001J	0.053	0.05559	105		-	-	75-125	-	20
Calcium, Total	158	10	165	**70**	Q	-	-	75-125	-	20
Chromium, Total	0.0006J	0.2	0.1902	95		-	-	75-125	-	20
Cobalt, Total	0.0013	0.5	0.5071	101		-	-	75-125	-	20
Copper, Total	0.0046	0.25	0.2542	100		-	-	75-125	-	20
Iron, Total	0.427	1	1.46	103		-	-	75-125	-	20
Lead, Total	0.00341	0.53	0.5542	104		-	-	75-125	-	20
Magnesium, Total	21.9	10	31.2	93		-	-	75-125	-	20
Manganese, Total	0.4354	0.5	0.9497	103		-	-	75-125	-	20
Nickel, Total	0.0032	0.5	0.5013	100		-	-	75-125	-	20
Potassium, Total	9.24	10	19.3	101		-	-	75-125	-	20
Selenium, Total	0.002J	0.12	0.124	103		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05175	104		-	-	75-125	-	20
Sodium, Total	318	10	299	**0**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1213	101		-	-	75-125	-	20
Vanadium, Total	0.0022J	0.5	0.4829	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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): 11 QC Batch ID: WG1819294-3 QC Sample: L2200084-118 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4879	98	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1819299-3 QC Sample: L2348172-11 Client ID: FB 2023-08-18									
Mercury, Total	ND	0.005	0.00453	91	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1819294-4 QC Sample: L2200084-118 Client ID: DUP Sample						
Lead, Total	0.00341	0.00349	mg/l	2		20
Total Metals - Mansfield Lab Associated sample(s): 11 QC Batch ID: WG1819299-4 QC Sample: L2348172-11 Client ID: FB 2023-08-18						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2348172
Report Date: 09/08/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-09 QC Batch ID: WG1818828-6 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)						
Aluminum, Total	6730	7020	mg/kg	4		20
Barium, Total	35.3	36.4	mg/kg	3		20
Calcium, Total	634	645	mg/kg	2		20
Iron, Total	9860	10400	mg/kg	5		20
Magnesium, Total	1900	2000	mg/kg	5		20
Manganese, Total	253	263	mg/kg	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-01
Client ID: EP-26 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:45
Date Received: 08/18/23
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	86.2		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-02
Client ID: EP-27 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 10:58
Date Received: 08/18/23
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	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-03
Client ID: EP-28 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:10
Date Received: 08/18/23
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	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-04
Client ID: EP-29 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:24
Date Received: 08/18/23
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	84.3		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-05
Client ID: EP-30 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 11:50
Date Received: 08/18/23
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	90.3		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-06
Client ID: EP-33 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:13
Date Received: 08/18/23
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	88.6		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-07
Client ID: EP-34 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:37
Date Received: 08/18/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.5		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-08
Client ID: EP-35 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 08/18/23 12:55
Date Received: 08/18/23
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	91.7		%	0.100	NA	1	-	08/19/23 13:51	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

SAMPLE RESULTS

Lab ID: L2348172-09
Client ID: FD-1 2023-08-18
Sample Location: BRONX, NY

Date Collected: 08/18/23 00:00
Date Received: 08/18/23
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	90.3		%	0.100	NA	1	-	08/19/23 14:03	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2348172

Report Date: 09/08/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1817863-1 QC Sample: L2348172-08 Client ID: EP-35 (5'BGS)						
Solids, Total	91.7	91.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 09 QC Batch ID: WG1817872-1 QC Sample: L2348172-09 Client ID: FD-1 2023-08-18						
Solids, Total	90.3	90.1	%	0		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2348172-01A	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-01B	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-01C	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-01D	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-01E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2348172-01F	Glass 250ml/8oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-02A	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-02B	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-02C	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-02D	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-02E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-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),CD-TI(180),NA-TI(180)
L2348172-02F	Glass 250ml/8oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-03A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2348172-03B	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-03C	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2348172-03D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2348172-03E	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),CR-TI(180),NI-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2348172-03F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-04A	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-04B	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-04C	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-04D	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-04E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2348172-04F	Glass 250ml/8oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-05A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2348172-05B	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-05C	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-05D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2348172-05E	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),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),ZN-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),NA-TI(180),K-TI(180)
L2348172-05F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-06A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2348172-06B	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-06C	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-06D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2348172-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-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),HG-T(28),MN-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2348172-06F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-07A	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-07B	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-07C	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-07D	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-07E	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-07F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	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),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2348172-07G	Glass 250ml/8oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-07H	Plastic 8oz unpreserved	C	NA		3.0	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2348172-08A	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-08A1	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-08A2	Vial MeOH preserved	C	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2348172-08B	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08B1	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08B2	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08C	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08C1	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08C2	Vial water preserved	C	NA		3.0	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-08D	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-08D1	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)
L2348172-08D2	Plastic 2oz unpreserved for TS	C	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2348172-08E	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	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),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2348172-08E1	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	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),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2348172-08E2	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	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),PB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2348172-08F	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-08F1	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-08F2	Metals Only-Glass 60mL/2oz unpreserved	C	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-09A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2348172-09B	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-09C	Vial water preserved	A	NA		2.9	Y	Absent	19-AUG-23 13:16	NYTCL-8260HLW(14)
L2348172-09D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2348172-09E	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),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2348172-09F	Glass 250ml/8oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2348172-10A	Plastic 500ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2348172-10B	Plastic 950ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2348172-10C	Plastic 500ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2348172-10D	Plastic 950ml unpreserved	A	NA		2.9	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2348172-11A	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2348172-11B	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2348172-11C	Vial HCl preserved	B	NA		2.6	Y	Absent		NYTCL-8260(14)
L2348172-11D	Plastic 500ml HNO3 preserved	B	<2	<2	2.6	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2348172-11E	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2348172-11F	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2348172-11G	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2348172-11H	Amber 120ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2348172-11I	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2348172-11J	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2348172-11K	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2348172-11L	Amber 250ml unpreserved	B	7	7	2.6	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2348172-12A	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)
L2348172-12B	Vial HCl preserved	C	NA		3.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2348172
Report Date: 09/08/23

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: SA 101 E 150TH
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Lab Number: L2348172
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PFAS PARAMETER SUMMARY

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2348172
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GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2348172
Project Number:	41.0163097.00	**Report Date:**	09/08/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 2

Date Rec'd in Lab: 8/18/23

ALPHA Job #: L2348172

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081B/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
48172-01	EP-26 (5' bgs)	8/18/23	10:45	S	JN	X	X	X	X	X					
02	EP-27 (5' bgs)		10:58												
03	EP-28 (5' bgs)		11:10												
04	EP-29 (5' bgs)		11:24												
05	EP-30 (5' bgs)		11:50												
06	EP-33 (5' bgs)		12:13												
07	EP-34 (5' bgs)		12:37								X				
08	EP-35 (5' bgs)		12:55												
08 ~~09~~	MS-1 EP-35		13:00												
08 ~~10~~	MSD-1 EP-35		13:05												
	Container Type					V	G	G	G	G	P				
	Preservative							A	A						

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	8/18/23 14:44	[illegible]	8-18-23 1444
[illegible]	8/18/23 1754	[illegible] ALPHA	8/18/23 19:30
[illegible] ALPHA	8-18-23	[illegible] DAC	8/18 21:40
[illegible] DAC	8/18 23:40	[illegible]	8/18/23 2340

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.)

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
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
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Page 2 of 2

Date Rec'd in Lab: 8/18/23

ALPHA Job #: L2348172 ~~48172~~ (ET)

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Moniquez@gza.com

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments
48172-~~10~~	FD-1 2023-08-18	8/18/23	-	S	JN	X	X	X	X	X				
10	FB PFAS 2023-08-18		14:02								X			
11	FB 2023-08-18		14:10			X	X	X	X	X				
12	TB 2023-08-18					X	X	X	X	X	X			

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

Total Bottle

Container Type	V	G	G	G	G			
Preservative			A	A				

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	8/18/23 14:44	[illegible] (AAL)	8/18/23 1444
[illegible] (AAL)	8-18-23 1354	EMILY ALPHA	8-18-23 19:30
EMILY ALPHA	8-18-23	[illegible] AAL	8/18 21:40
[illegible]	8/18 23:40	[illegible]	8/18/23 2040

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)

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: October 27, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached). As shown on Drawing 1, 35 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

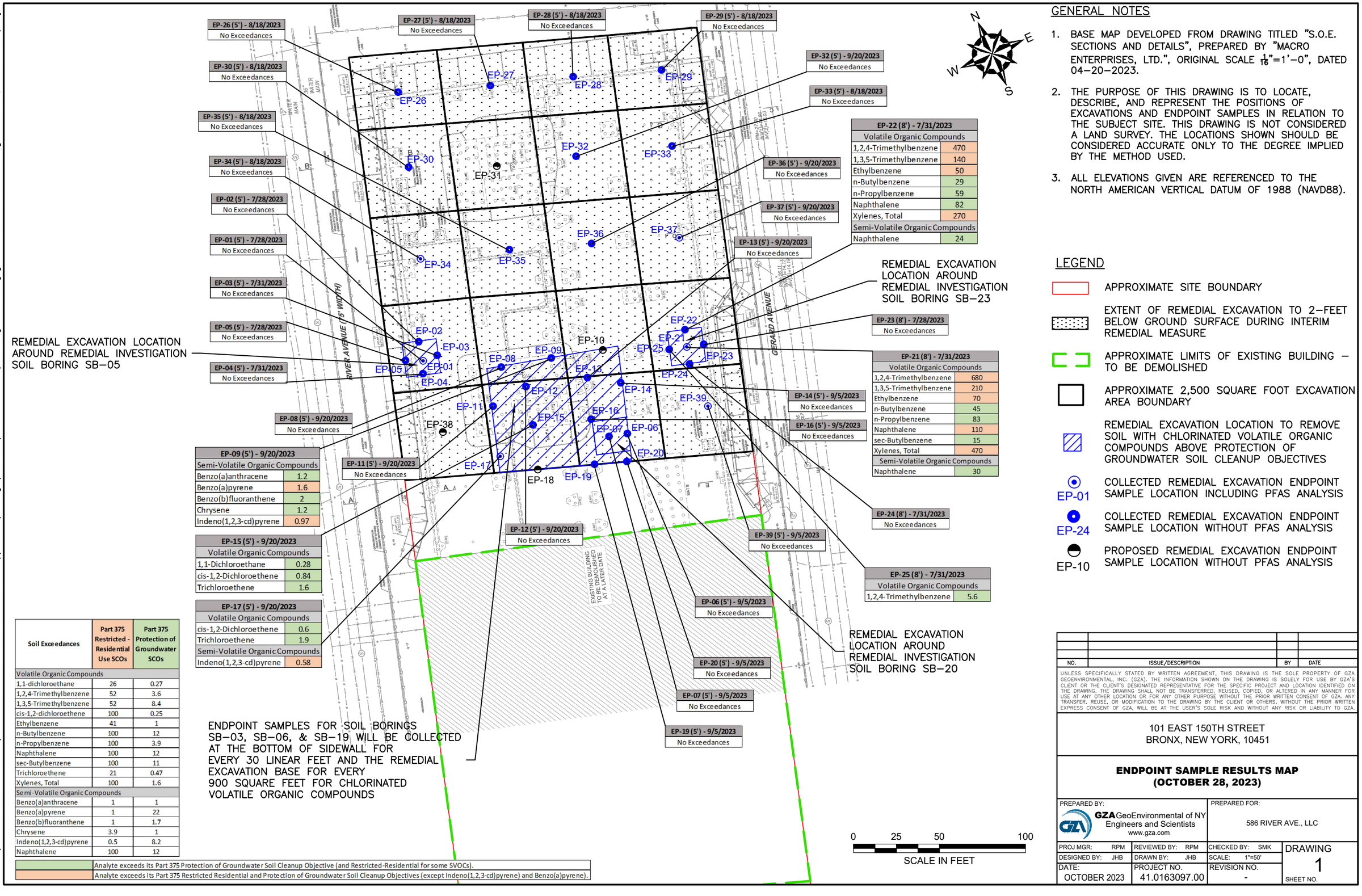
The laboratory analytical results for samples EP-06 to EP-09, EP-11 to EP-17, EP-19, EP-20, EP-32, EP-36 to EP-37, and EP-39 were collected at 5 feet below initial ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples
- Table 5: Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared the soil cleanup objectives. This memorandum also transmits to the NYSDEC the EP laboratory reports (Project ID No. L2351329 and L2355164) were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

An Equal Opportunity Employer M/F/V/H

FIGURES



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-10 PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
1,1-dichloroethane	26	0.27
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
cis-1,2-dichloroethene	100	0.25
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Trichloroethene	21	0.47
Xylenes, Total	100	1.6
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2
Naphthalene	100	12

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).

Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives (except Indeno(1,2,3-cd)pyrene) and Benzo(a)pyrene).

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP
(OCTOBER 28, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: OCTOBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM_Oct] October 26, 2023 – 4:14pm jackson.bog

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00051	U	0.00045	U	0.00078		0.0015		0.00046	U	0.00045	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.0009	U	0.0016		0.00051	J	0.00029	J	0.00041	J
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,1-Dichloropropene	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2-Dibromo-3-chloropropane	--	--	--	0.003	U	0.0027	U	0.0026	U	0.0026	U	0.0027	U	0.0027	U
1,2-Dibromoethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00096		0.0058		0.0046		0.0017		0.00065	J
1,2-Dichloropropane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,3-Dichloropropene, Total	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
1,4-Dioxane	0.1	13	0.1	0.081	U	0.072	U	0.07	U	0.07	U	0.073	U	0.072	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
2-Butanone	0.12	100	0.12	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
2-Hexanone	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Acetone	0.05	100	0.05	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Acrylonitrile	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Benzene	0.06	4.8	0.06	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Bromobenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Bromochloromethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Bromodichloromethane	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Bromoform	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Bromomethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Carbon disulfide	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Chloroethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Chloroform	0.37	49	0.37	0.0015	U	0.0013	U	0.0013	U	0.0013	U	0.0014	U	0.0014	U
Chloromethane	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00096		0.0058		0.0046		0.0017		0.00065	J
cis-1,3-Dichloropropene	--	--	--	0.00051	U	0.00045	U	0.00044	U	0.00044	U	0.00046	U	0.00045	U
Dibromochloromethane	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Dibromomethane	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Ethyl ether	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Ethylbenzene	1	41	1	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Hexachlorobutadiene	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Isopropylbenzene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Methylene chloride	0.05	100	0.05	0.0051	U	0.0045	U	0.0044	U	0.0044	U	0.0046	U	0.0045	U
n-Butylbenzene	12	100	12	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Naphthalene	12	100	12	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
o-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
o-Xylene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
p-Chlorotoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Diethylbenzene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Ethyltoluene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
p-Isopropyltoluene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
p/m-Xylene	--	--	--	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
sec-Butylbenzene	11	100	11	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Styrene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U	0.0018	U
Tetrachloroethene	1.3	19	1.3	0.00051	U	0.00045	U	0.00096		0.005		0.00046	U	0.00045	U
Toluene	0.7	100	0.7	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0013	U	0.0013	U	0.0013	U	0.0014	U	0.0014	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0051	U	0.0045	U	0.0044	U	0.0044	U	0.0046	U	0.0045	U
Trichloroethene	0.47	21	0.47	0.00051	U	0.002		0.0061		0.0072		0.0022		0.0018	
Trichlorofluoromethane	--	--	--	0.004	U	0.0036	U	0.0035	U	0.0035	U	0.0036	U	0.0036	U
Vinyl acetate	--	--	--	0.01	U	0.009	U	0.0088	U	0.0088	U	0.0091	U	0.009	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0009	U	0.00088	U	0.00088	U	0.00091	U	0.0009	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

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

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 1 - Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0003	J	0.00052	U	0.4		0.00052	U	0.2		0.0016	
1,1,2,2-Tetrachloroethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,1,2-Trichloroethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,1-Dichloroethane	0.27	26	0.27	0.00021	J	0.001	U	**0.28**		0.001	U	0.19		0.00041	J
1,1-Dichloroethene	0.33	100	0.33	0.00093	U	0.001	U	0.022	J	0.001	U	0.014	J	0.00096	U
1,1-Dichloropropene	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,2,3-Trichlorobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,3-Trichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0018	U	0.0021	U	0.011	J	0.0021	U	0.79		0.0019	U
1,2,4-Trichlorobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.3		0.0019	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0028	U	0.0031	U	0.073	U	0.0031	U	0.069	U	0.0029	U
1,2-Dibromoethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,2-Dichloroethene, Total	--	--	--	0.0013	J	0.001	U	0.86	J	0.0025		0.61	J	0.0036	
1,2-Dichloropropane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.17		0.0019	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,3-Dichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,3-Dichloropropene, Total	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
1,4-Dioxane	0.1	13	0.1	0.074	U	0.084	U	1.9	U	0.084	U	1.8	U	0.076	U
2,2-Dichloropropane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
2-Butanone	0.12	100	0.12	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
2-Hexanone	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
4-Methyl-2-pentanone	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Acetone	0.05	100	0.05	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Acrylonitrile	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Benzene	0.06	4.8	0.06	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Bromobenzene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Bromochloromethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Bromodichloromethane	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Bromoform	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Bromomethane	--	--	--	0.0018	U	0.0021	U	0.022	J	0.0021	U	0.046	U	0.0019	U
Carbon disulfide	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Carbon tetrachloride	0.76	2.4	0.76	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Chlorobenzene	1.1	100	1.1	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Chloroethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Chloroform	0.37	49	0.37	0.0014	U	0.0016	U	0.036	U	0.0016	U	0.035	U	0.0014	U
Chloromethane	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0012		0.001	U	**0.84**		0.0025		**0.6**		0.0036	
cis-1,3-Dichloropropene	--	--	--	0.00046	U	0.00052	U	0.012	U	0.00052	U	0.012	U	0.00048	U
Dibromochloromethane	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Dibromomethane	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Dichlorodifluoromethane	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Ethyl ether	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Ethylbenzene	1	41	1	0.00016	J	0.001	U	0.024	U	0.001	U	0.024		0.00096	U
Hexachlorobutadiene	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Isopropylbenzene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.03		0.00096	U
Methyl tert butyl ether	0.93	100	0.93	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Methylene chloride	0.05	100	0.05	0.0046	U	0.0052	U	0.12	U	0.0052	U	0.12	U	0.0048	U
n-Butylbenzene	12	100	12	0.00093	U	0.001	U	0.0054	J	0.001	U	0.46		0.00096	U
n-Propylbenzene	3.9	100	3.9	0.00093	U	0.001	U	0.024	U	0.001	U	0.094		0.00096	U
Naphthalene	12	100	12	0.0037	U	0.0042	U	0.048	J	0.0042	U	1.2		0.0038	U
o-Chlorotoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
o-Xylene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.036		0.00096	U
p-Chlorotoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
p-Diethylbenzene	--	--	--	0.0018	U	0.0021	U	0.013	J	0.0021	U	0.26		0.0019	U
p-Ethyltoluene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.34		0.0019	U
p-Isopropyltoluene	--	--	--	0.00093	U	0.001	U	0.0035	J	0.001	U	0.19		0.00096	U
p/m-Xylene	--	--	--	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.023	J	0.0019	U
sec-Butylbenzene	11	100	11	0.00093	U	0.001	U	0.024	U	0.001	U	0.29		0.00096	U
Styrene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.0021	U	0.048	U	0.0021	U	0.046	U	0.0019	U
Tetrachloroethene	1.3	19	1.3	0.00046	U	0.00052	U	0.019		0.00052	U	0.012		0.00048	U
Toluene	0.7	100	0.7	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.00013	J	0.0016	U	0.015	J	0.0016	U	0.007	J	0.0014	U
trans-1,3-Dichloropropene	--	--	--	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0046	U	0.0052	U	0.12	U	0.0052	U	0.12	U	0.0048	U
Trichloroethene	0.47	21	0.47	0.0022		0.00024	J	**1.6**		0.00076		**1.9**		0.014	
Trichlorofluoromethane	--	--	--	0.0037	U	0.0042	U	0.097	U	0.0042	U	0.093	U	0.0038	U
Vinyl acetate	--	--	--	0.0093	U	0.01	U	0.24	U	0.01	U	0.23	U	0.0096	U
Vinyl chloride	0.02	0.9	0.02	0.00093	U	0.001	U	0.024	U	0.001	U	0.023	U	0.00096	U
Xylenes, Total	0.26	100	1.6	0.00093	U	0.001	U	0.024	U	0.001	U	0.059	J	0.00096	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

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

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 1 - Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)													
1,1,1,2-Tetrachloroethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0012	J	0.002	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0017	U	0.0021	U	0.019		0.002	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.0026	U	0.0031	U	0.0027	U	0.003	U
1,2-Dibromoethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,2-Dichloropropane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0017	U	0.0021	U	0.0068		0.002	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.082	U	0.069	U	0.083	U	0.073	U	0.081	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
2-Butanone	0.12	100	0.12	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
2-Hexanone	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Acetone	0.05	100	0.05	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Acrylonitrile	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Benzene	0.06	4.8	0.06	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Bromobenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Bromochloromethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Bromodichloromethane	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Bromoform	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Bromomethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Carbon disulfide	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Chloroethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Chloroform	0.37	49	0.37	0.0015	U	0.0013	U	0.0016	U	0.0014	U	0.0015	U
Chloromethane	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
cis-1,3-Dichloropropene	--	--	--	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Dibromochloromethane	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Dibromomethane	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Ethyl ether	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Ethylbenzene	1	41	1	0.001	U	0.00087	U	0.001	U	0.0051		0.001	U
Hexachlorobutadiene	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Isopropylbenzene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00072	J	0.001	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0051	U	0.0043	U	0.0052	U	0.0045	U	0.005	U
n-Butylbenzene	12	100	12	0.001	U	0.00087	U	0.001	U	0.00028	J	0.001	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.00087	U	0.001	U	0.0016		0.001	U
Naphthalene	12	100	12	0.0041	U	0.0035	U	0.0041	U	0.0012	J	0.004	U
o-Chlorotoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
o-Xylene	--	--	--	0.001	U	0.00087	U	0.001	U	0.0039		0.001	U
p-Chlorotoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
p-Diethylbenzene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0049		0.002	U
p-Ethyltoluene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0063		0.002	U
p-Isopropyltoluene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00016	J	0.001	U
p/m-Xylene	--	--	--	0.002	U	0.0017	U	0.0021	U	0.0079		0.002	U
sec-Butylbenzene	11	100	11	0.001	U	0.00087	U	0.001	U	0.00024	J	0.001	U
Styrene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0017	U	0.0021	U	0.0018	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.00051	U	0.00043	U	0.00052	U	0.00045	U	0.0005	U
Toluene	0.7	100	0.7	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0013	U	0.0016	U	0.0014	U	0.0015	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0051	U	0.0043	U	0.0052	U	0.0045	U	0.005	U
Trichloroethene	0.47	21	0.47	0.0014		0.00016	J	0.00019	J	0.00012	J	0.00036	J
Trichlorofluoromethane	--	--	--	0.0041	U	0.0035	U	0.0041	U	0.0036	U	0.004	U
Vinyl acetate	--	--	--	0.01	U	0.0087	U	0.01	U	0.0091	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.00087	U	0.001	U	0.00091	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.00087	U	0.001	U	0.012		0.001	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

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

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.026	U	0.027	U	0.027	U	0.026	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.87	U	0.84	U	0.88	U	0.86	U	0.85	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.15	J	0.21	U	0.03	J	0.031	J	0.21	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.39	U	0.38	U	0.39	U	0.38	U	0.38	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.033	J	0.25	U	0.26	U	0.26	U	0.25	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.47	U	0.46	U	0.47	U	0.46	U	0.46	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.25	U	0.26	U	0.25	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.24		0.14	U	0.04	J	0.085	J	0.14	U	0.14	U
Acenaphthylene	100	1000	107	0.053	J	0.14	U	0.037	J	0.24		0.14	U	0.14	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.43		0.1	U	0.12		0.28		0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.57		0.034	J	0.49		**1.2**		0.11	U	0.056	J
Benzo(a)pyrene	1	1	22	0.58		0.14	U	0.51		**1.6**		0.14	U	0.08	J
Benzo(b)fluoranthene	1	1	1.7	0.66		0.041	J	0.6		**2**		0.11	U	0.088	J
Benzo(ghi)perylene	100	100	1000	0.39		0.056	J	0.33		0.8		0.14	U	0.034	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.14		0.1	U	0.16		0.64		0.11	U	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.57	U	0.59	U	0.58	U	0.57	U	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.043	J	0.4	U	0.42	U	0.41	U	0.4	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.19	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.22	U	0.21	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.11	J	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.16	J	0.18	U	0.047	J	0.086	J	0.18	U	0.18	U
Chrysene	1	3.9	1	0.63		0.036	J	0.56		**1.2**		0.11	U	0.06	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.078	J	0.1	U	0.074	J	0.17		0.11	U	0.11	U
Dibenzofuran	7	59	210	0.17	J	0.18	U	0.025	J	0.046	J	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	1.4		0.062	J	0.83		1.7		0.11	U	0.088	J
Fluorene	30	100	386	0.2		0.18	U	0.037	J	0.064	J	0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.5	U	0.52	U	0.51	U	0.5	U	0.52	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.31		0.034	J	0.33		**0.97**		0.14	U	0.038	J
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.46		0.18	U	0.05	J	0.08	J	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.062	J	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	1.8		0.036	J	0.52		1.1		0.11	U	0.076	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	1.4		0.061	J	0.85		1.8		0.11	U	0.086	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.026	U	0.027	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.89	U	0.83	U	0.86	U	0.86	U	0.88	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.21	U	0.064	J	0.22	U	3.4		0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.37	U	0.39	U	0.39	U	0.39	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.25	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.45	U	0.47	U	0.47	U	0.47	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.24	U	0.25	U	0.25	U	0.26	U	0.25	U
Acenaphthene	20	100	98	0.15	U	0.14	U	0.12	J	0.14	U	0.26		0.14	U
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.072	J	0.14	U	0.16		0.14	U
Acetophenone	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.1	U	0.32		0.11	U	0.36		0.11	U
Benzo(a)anthracene	1	1	1	0.085	J	0.1	U	0.82		0.11	U	0.62		0.11	U
Benzo(a)pyrene	1	1	22	0.084	J	0.14	U	0.78		0.14	U	0.66		0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.088	J	0.1	U	0.92		0.11	U	0.81		0.11	U
Benzo(ghi)perylene	100	100	1000	0.046	J	0.14	U	0.34		0.14	U	0.39		0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.03	J	0.1	U	0.26		0.11	U	0.23		0.11	U
Benzoic Acid	--	--	--	0.6	U	0.56	U	0.58	U	0.58	U	0.59	U	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.42	U	0.4	U	0.41	U	0.41	U	0.35	J	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.19	U	0.19	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.17	U	0.1	J	0.18	U	0.22		0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.18	U	0.17	U	0.1	J	0.18	U	0.18	U	0.18	U
Chrysene	1	3.9	1	0.09	J	0.1	U	0.86		0.11	U	0.61		0.11	U
Di-n-butylphthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.1	U	0.078	J	0.11	U	0.11		0.11	U
Dibenzofuran	7	59	210	0.18	U	0.17	U	0.069	J	0.18	U	0.64		0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.15		0.1	U	1.6		0.11	U	1.8		0.11	U
Fluorene	30	100	386	0.18	U	0.17	U	0.11	J	0.18	U	0.74		0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.1	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.53	U	0.5	U	0.51	U	0.52	U	0.52	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.046	J	0.14	U	0.37		0.14	U	**0.58**		0.14	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.17	U	0.072	J	0.18	U	0.51		0.18	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.17	U	0.22		0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.11		0.1	U	1.3		0.11	U	1.7		0.11	U
Phenol	0.33	100	0.33	0.18	U	0.17	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.16		0.1	U	1.7		0.11	U	1.8		0.11	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)													
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.028	U	0.029	U	0.03	U	0.026	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.12	U	0.12	U	0.1	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.85	U	0.89	U	0.93	U	0.96	U	0.85	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Methylnaphthalene	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.21	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
2-Nitrophenol	--	--	--	0.38	U	0.4	U	0.42	U	0.43	U	0.38	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.27	U	0.28	U	0.29	U	0.25	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.48	U	0.5	U	0.52	U	0.46	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.26	U	0.27	U	0.28	U	0.25	U
Acenaphthene	20	100	98	0.14	U	0.034	J	0.15	U	0.16	U	0.14	U
Acenaphthylene	100	1000	107	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.082	J	0.12	U	0.12	U	0.1	U
Benzo(a)anthracene	1	1	1	0.11	U	0.33		0.035	J	0.12	U	0.068	J
Benzo(a)pyrene	1	1	22	0.14	U	0.3		0.15	U	0.16	U	0.071	J
Benzo(b)fluoranthene	1	1	1.7	0.11	U	0.32		0.033	J	0.12	U	0.082	J
Benzo(ghi)perylene	100	100	1000	0.14	U	0.15		0.15	U	0.16	U	0.048	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U	0.11		0.12	U	0.12	U	0.1	U
Benzoic Acid	--	--	--	0.58	U	0.6	U	0.63	U	0.64	U	0.57	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Biphenyl	--	--	--	0.4	U	0.42	U	0.44	U	0.45	U	0.4	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.21	U	0.22	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.21	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Carbazole	--	--	--	0.18	U	0.028	J	0.19	U	0.2	U	0.18	U
Chrysene	1	3.9	1	0.11	U	0.33		0.036	J	0.12	U	0.07	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.035	J	0.12	U	0.12	U	0.1	U
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Fluoranthene	100	100	1000	0.11	U	0.62		0.066	J	0.12	U	0.11	
Fluorene	30	100	386	0.18	U	0.034	J	0.19	U	0.2	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.12	U	0.12	U	0.1	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.53	U	0.55	U	0.57	U	0.5	U
Hexachloroethane	--	--	--	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.17		0.15	U	0.16	U	0.042	J
Isophorone	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.022	J	0.19	U	0.2	U	0.18	U
NDPA/DPA	--	--	--	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.17	U	0.17	U	0.18	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.15	U	0.15	U	0.16	U	0.14	U
Phenanthrene	100	100	1000	0.11	U	0.45		0.05	J	0.12	U	0.049	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U
Pyrene	100	100	1000	0.11	U	0.69		0.063	J	0.12	U	0.11	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
E: Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

Value exceeds its Part 375 Unrestricted, Restricted Residential and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Restricted Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	5500		5340		7040		6980		5430		7260	
Antimony, Total	--	--	--	4.27	U	4.24	U	4.25	U	4.13	U	4.3	U	4.28	U
Arsenic, Total	13	16	16	1.41		1.3		2.64		3.14		1.06		1.52	
Barium, Total	350	400	820	22.7		18.9		51.5		49.8		42.1		26.8	
Beryllium, Total	7.2	72	47	0.318	J	0.234	J	0.344	J	0.433		0.276	J	0.32	J
Cadmium, Total	2.5	4.3	7.5	0.853	U	0.502	J	0.095	J	0.082	J	0.861	U	0.855	U
Calcium, Total	--	--	--	603		596		5400		5390		550		779	
Chromium, Total*	1	180	--	6.88		12.3		11.2		12.7		8.02		11.1	
Colbalt, Total	--	--	--	2.9		2.58		3.96		4.49		2.97		3.58	
Copper, Total	50	270	1720	6.29		8.03		14		16.1		4.34		6.43	
Iron, Total	--	--	--	8590		8480		10500		13000		7840		10100	
Lead, Total	63	400	450	5.83		3.8	J	45.8		40.3		3.52	J	6.02	
Magnesium, Total	--	--	--	1570		1340		3180		3140		1400		1660	
Manganese, Total	1600	2000	2000	295		230		308		363		261		218	
Mercury, Total	0.18	0.81	0.73	0.084	U	0.074	U	0.098		0.129		0.07	U	0.07	U
Nickel, Total	30	310	130	7.08		6.52		8.62		9.02		6.23		8.2	
Potassium, Total	--	--	--	481		366		636		681		338		461	
Selenium, Total	3.9	180	4	1.71	U	1.7	U	1.7	U	0.292	J	1.72	U	1.71	U
Silver, Total	2	180	8.3	0.427	U	0.424	U	0.425	U	0.413	U	0.43	U	0.428	U
Sodium, Total	--	--	--	298		120	J	137	J	144	J	114	J	66.4	J
Thallium, Total	--	--	--	1.71	U	1.7	U	0.53	J	0.612	J	0.427	J	0.37	J
Vanadium, Total	--	--	--	9.48		8.02		14.7		19		8.79		12.4	
Zinc, Total	109	10000	2480	15.2		15.5		49.7		49.1		14.9		17	

Table Notes:

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mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 3 - Total Metals in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	7620		7240		7220		6790		5950		7560	
Antimony, Total	--	--	--	4.37	U	4.23	U	4.25	U	4.33	U	4.22	U	4.36	U
Arsenic, Total	13	16	16	1.75		1.62		3.3		1.35		2.71		1.49	
Barium, Total	350	400	820	35.9		26.9		63.8		26.9		60.1		29.8	
Beryllium, Total	7.2	72	47	0.339	J	0.354	J	0.389	J	0.291	J	0.332	J	0.299	J
Cadmium, Total	2.5	4.3	7.5	0.874	U	0.846	U	0.157	J	0.866	U	0.122	J	0.871	U
Calcium, Total	--	--	--	1350		716		6290		598		4740		623	
Chromium, Total*	1	180	--	11.6		8.91		13		10.5		10.9		14.4	
Colbalt, Total	--	--	--	3.66		3.28		3.89		3.3		3.38		3.34	
Copper, Total	50	270	1720	9.33		6.8		17.6		5.47		14.3		6.18	
Iron, Total	--	--	--	10400		9900		9120		9740		8320		10400	
Lead, Total	63	400	450	12.6		5.54		**75**		4.47		49.4		4.5	
Magnesium, Total	--	--	--	1920		1620		2760		1530		2080		1520	
Manganese, Total	1600	2000	2000	307		328		342		398		354		226	
Mercury, Total	0.18	0.81	0.73	0.071	U	0.085	U	0.172		0.075	U	0.115		0.081	U
Nickel, Total	30	310	130	8.52		8.66		9.2		7.66		7.79		8.69	
Potassium, Total	--	--	--	480		490		592		396		504		499	
Selenium, Total	3.9	180	4	1.75	U	1.69	U	0.264	J	1.73	U	0.496	J	1.74	U
Silver, Total	2	180	8.3	0.437	U	0.423	U	0.425	U	0.433	U	0.422	U	0.436	U
Sodium, Total	--	--	--	77.3	J	97.8	J	307		76.1	J	120	J	166	J
Thallium, Total	--	--	--	0.39	J	1.69	U	0.563	J	1.73	U	0.458	J	0.316	J
Vanadium, Total	--	--	--	12.8		10.9		16.4		11.9		13.7		12.4	
Zinc, Total	109	10000	2480	23.1		15.4		84.6		14.6		80.2		14.9	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 3 - Total Metals in End Points
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)													
Aluminum, Total	--	--	--	4710		6480		5130		4820		5730	
Antimony, Total	--	--	--	4.15	U	4.37	U	4.49	U	4.59	U	4.14	U
Arsenic, Total	13	16	16	1.18		2.48		1.67		1.67		2.34	
Barium, Total	350	400	820	33		56		30.8		22.2		33.6	
Beryllium, Total	7.2	72	47	0.252	J	0.324	J	0.292	J	0.281	J	0.302	J
Cadmium, Total	2.5	4.3	7.5	0.83	U	0.874	U	0.899	U	0.918	U	0.828	U
Calcium, Total	--	--	--	377		2730		939		1880		1850	
Chromium, Total*	1	180	--	6.75		11.6		8.45		7.55		9.61	
Colbalt, Total	--	--	--	2.77		4.44		3.36		3.2		3.68	
Copper, Total	50	270	1720	5.41		11.9		7.17		6.58		11.7	
Iron, Total	--	--	--	7780		11600		9310		7900		9780	
Lead, Total	63	400	450	3.21	J	40.7		6.97		6		29.1	
Magnesium, Total	--	--	--	1380		2570		1830		2400		1940	
Manganese, Total	1600	2000	2000	258		314		420		217		294	
Mercury, Total	0.18	0.81	0.73	0.077	U	0.111		0.075	U	0.077	U	0.079	J
Nickel, Total	30	310	130	6.33		9.01		7.6		7.39		8.6	
Potassium, Total	--	--	--	435		704		549		512		577	
Selenium, Total	3.9	180	4	1.66	U	1.75	U	1.8	U	0.256	J	1.66	U
Silver, Total	2	180	8.3	0.415	U	0.437	U	0.449	U	0.459	U	0.414	U
Sodium, Total	--	--	--	173		101	J	73.1	J	92.2	J	122	J
Thallium, Total	--	--	--	1.66	U	0.561	J	0.504	J	0.403	J	0.419	J
Vanadium, Total	--	--	--	8.81		15.3		11.7		10.2		12.6	
Zinc, Total	109	10000	2480	11.9		37.5		19.1		16.4		34.4	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-06		EP-07		EP-08		EP-09		EP-11		EP-12	
LAB SAMPLE ID				L2351329-06		L2351329-05		L2355164-05		L2355164-07		L2355164-06		L2355164-04	
DATE				9/5/2023		9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/20/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
4,4'-DDE	0.0033	8.9	17	0.00172	U	0.00164	U	0.000927	J	0.00167	U	0.0017	U	0.00175	U
4,4'-DDT	0.0033	7.9	136	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Aldrin	0.005	0.097	0.19	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Alpha-BHC	0.02	0.48	0.02	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Beta-BHC	0.036	0.36	0.09	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Chlordane	--	--	--	0.0143	U	0.0136	U	0.0142	U	0.014	U	0.0142	U	0.0146	U
cis-Chlordane	0.094	4.2	2.9	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Delta-BHC	0.04	100	0.25	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Dieldrin	0.005	0.2	0.1	0.00107	U	0.00102	U	0.00107	U	0.00105	U	0.00106	U	0.0011	U
Endosulfan I	2.4	24	102	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Endosulfan II	2.4	24	102	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Endosulfan sulfate	2.4	24	1000	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Endrin	0.014	11	0.06	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Endrin aldehyde	--	--	--	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Endrin ketone	--	--	--	0.00172	U	0.00164	U	0.00171	U	0.00167	U	0.0017	U	0.00175	U
Heptachlor	0.042	2.1	0.38	0.000858	U	0.000818	U	0.000854	U	0.000837	U	0.000851	U	0.000877	U
Heptachlor epoxide	--	--	--	0.00322	U	0.00307	U	0.0032	U	0.00314	U	0.00319	U	0.00329	U
Lindane	0.1	1.3	0.1	0.000715	U	0.000682	U	0.000712	U	0.000698	U	0.000709	U	0.000731	U
Methoxychlor	--	--	--	0.00322	U	0.00307	U	0.0032	U	0.00314	U	0.00319	U	0.00329	U
Toxaphene	--	--	--	0.0322	U	0.0307	U	0.032	U	0.0314	U	0.0319	U	0.0329	U
trans-Chlordane	--	--	--	0.00215	U	0.00204	U	0.00214	U	0.00209	U	0.00213	U	0.00219	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1221	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1232	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1242	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1254	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1260	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1262	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
Aroclor 1268	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U
PCBs, Total	0.1	1	3.2	0.0521	U	0.0523	U	0.0519	U	0.0531	U	0.0504	U	0.0546	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-13		EP-14		EP-15		EP-16		EP-17		EP-19	
LAB SAMPLE ID				L2355164-03		L2351329-07		L2355164-08		L2351329-04		L2355164-09		L2351329-03	
DATE				9/20/2023		9/5/2023		9/20/2023		9/5/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
4,4'-DDT	0.0033	7.9	136	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Beta-BHC	0.036	0.36	0.09	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Chlordane	--	--	--	0.0142	U	0.0139	U	0.0142	U	0.0142	U	0.0146	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Delta-BHC	0.04	100	0.25	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00107	U	0.00104	U	0.00107	U	0.00107	U	0.00109	U	0.00108	U
Endosulfan I	2.4	24	102	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Endosulfan II	2.4	24	102	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Endrin	0.014	11	0.06	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Endrin aldehyde	--	--	--	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Endrin ketone	--	--	--	0.00171	U	0.00166	U	0.00171	U	0.00171	U	0.00175	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000855	U	0.000832	U	0.000855	U	0.000854	U	0.000874	U	0.000864	U
Heptachlor epoxide	--	--	--	0.00321	U	0.00312	U	0.00321	U	0.0032	U	0.00328	U	0.00324	U
Lindane	0.1	1.3	0.1	0.000712	U	0.000693	U	0.000713	U	0.000712	U	0.000728	U	0.00072	U
Methoxychlor	--	--	--	0.00321	U	0.00312	U	0.00321	U	0.0032	U	0.00328	U	0.00324	U
Toxaphene	--	--	--	0.0321	U	0.0312	U	0.0321	U	0.032	U	0.0328	U	0.0324	U
trans-Chlordane	--	--	--	0.00214	U	0.00208	U	0.00214	U	0.00214	U	0.00218	U	0.00216	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1221	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1232	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1242	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1254	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1260	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1262	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
Aroclor 1268	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U
PCBs, Total	0.1	1	3.2	0.0527	U	0.0504	U	0.0527	U	0.051	U	0.0532	U	0.0531	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

Location	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-20		EP-32		EP-36		EP-37		EP-39	
LAB SAMPLE ID				L2351329-02		L2355164-01		L2355164-02		L2355164-10		L2351329-01	
DATE				9/5/2023		9/20/2023		9/20/2023		9/20/2023		9/5/2023	
SAMPLE DEPTH (ft.)				5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081													
4,4'-DDD	0.0033	13	14	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
4,4'-DDE	0.0033	8.9	17	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
4,4'-DDT	0.0033	7.9	136	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Aldrin	0.005	0.097	0.19	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Alpha-BHC	0.02	0.48	0.02	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Beta-BHC	0.036	0.36	0.09	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Chlordane	--	--	--	0.014	U	0.0144	U	0.0154	U	0.0157	U	0.0136	U
cis-Chlordane	0.094	4.2	2.9	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Delta-BHC	0.04	100	0.25	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Dieldrin	0.005	0.2	0.1	0.00105	U	0.00108	U	0.00116	U	0.00118	U	0.00102	U
Endosulfan I	2.4	24	102	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Endosulfan II	2.4	24	102	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Endosulfan sulfate	2.4	24	1000	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Endrin	0.014	11	0.06	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Endrin aldehyde	--	--	--	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Endrin ketone	--	--	--	0.00168	U	0.00173	U	0.00185	U	0.00188	U	0.00163	U
Heptachlor	0.042	2.1	0.38	0.000838	U	0.000866	U	0.000927	U	0.000942	U	0.000816	U
Heptachlor epoxide	--	--	--	0.00314	U	0.00325	U	0.00348	U	0.00353	U	0.00306	U
Lindane	0.1	1.3	0.1	0.000698	U	0.000722	U	0.000772	U	0.000785	U	0.00068	U
Methoxychlor	--	--	--	0.00314	U	0.00325	U	0.00348	U	0.00353	U	0.00306	U
Toxaphene	--	--	--	0.0314	U	0.0325	U	0.0348	U	0.0353	U	0.0306	U
trans-Chlordane	--	--	--	0.0021	U	0.00216	U	0.00232	U	0.00236	U	0.00204	U
Polychlorinated Biphenyls by EPA Method 8082A													
Aroclor 1016	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1221	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1232	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1242	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1254	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1260	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1262	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
Aroclor 1268	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U
PCBs, Total	0.1	1	3.2	0.052	U	0.0516	U	0.0548	U	0.0553	U	0.05	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-17		EP-37		EP-39	
LAB SAMPLE ID				9/20/2023		9/20/2023		9/5/2023	
DATE				L2355164-09		L2355164-10		L2351329-01	
SAMPLE DEPTH (ft.)				5		5		5	
				Results	Qual	Results	Qual	Results	Qual
PFAS by EPA Method 537.1									
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000802	U	0.000798	U	0.0008	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000802	U	0.000798	U	0.0008	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000802	U	0.000798	U	0.0008	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000153	J	0.000199	U	0.000132	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000063	J	0.000199	U	0.000125	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000401	U	0.000399	U	0.0004	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.0002	U	0.000199	U	0.0002	U
PFOA/PFOS, Total	--	--	--	0.000216	J	0.000199	U	0.000257	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2351329
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	09/28/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2351329-01	EP-39 (5'BGS)	SOIL	BRONX, NY	09/05/23 09:55	09/05/23
L2351329-02	EP-20 (5'BGS)	SOIL	BRONX, NY	09/05/23 10:23	09/05/23
L2351329-03	EP-19 (5'BGS)	SOIL	BRONX, NY	09/05/23 10:45	09/05/23
L2351329-04	EP-16 (5'BGS)	SOIL	BRONX, NY	09/05/23 11:02	09/05/23
L2351329-05	EP-07 (5'BGS)	SOIL	BRONX, NY	09/05/23 11:22	09/05/23
L2351329-06	EP-06 (5'BGS)	SOIL	BRONX, NY	09/05/23 11:30	09/05/23
L2351329-07	EP-14 (5'BGS)	SOIL	BRONX, NY	09/05/23 13:25	09/05/23
L2351329-08	FD-2 2023-09-05 (5'BGS)	SOIL	BRONX, NY	09/05/23 00:00	09/05/23
L2351329-09	FB PFAS 2023-09-05	WATER	BRONX, NY	09/05/23 12:35	09/05/23
L2351329-10	FB 2023-09-05	WATER	BRONX, NY	09/05/23 12:40	09/05/23
L2351329-11	TB 2023-09-05	WATER	BRONX, NY	09/05/23 00:00	09/05/23

Project Name:	SA 101 E 150TH	**Lab Number:**	L2351329
Project Number:	41.0163097.00	**Report Date:**	09/28/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2351329
Project Number:	41.0163097.00	**Report Date:**	09/28/23

Case Narrative (continued)

Report Submission

September 28, 2023: This final report includes the results of all requested analyses.

September 19, 2023: 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

The analyses performed were specified by the client.

Perfluorinated Alkyl Acids by 1633

L2351329-09, WG1829538-1, and WG1829538-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1829538-2 LCS recovery, associated with L2351329-09, is above the acceptance criteria for perfluoroheptanesulfonic acid (pfhps) (178%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

Total Metals

L2351329-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2351329-10: The Field Blank has a result for barium and sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1824821-3 MS recovery, performed on L2351329-01, is outside the acceptance criteria for magnesium (70%). A post digestion spike was performed and was within acceptance criteria.

The WG1824821-3/-4 MS/MSD recoveries for aluminum (12%/428%), iron (0%), and manganese (70%/164%), performed on L2351329-01, do not apply because the sample concentrations are greater than four times the

Project Name:	SA 101 E 150TH	**Lab Number:**	L2351329
Project Number:	41.0163097.00	**Report Date:**	09/28/23

Case Narrative (continued)

spike amounts added.

Total Mercury

The WG1824822-4 MSD recovery, performed on L2351329-01, is outside the acceptance criteria for mercury (123%). A post digestion spike was performed and was within 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: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/28/23

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 14:50
Analyst: LAC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.36	J	ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	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	0.92	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	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	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 15:15
Analyst: LAC
Percent Solids: 93%

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	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.4		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	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	0.13	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 15:41
Analyst: LAC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	0.41	J	ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	1.6		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.96	0.52	1
Ethylbenzene	ND		ug/kg	0.96	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.96	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.96	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	14		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.96	0.28	1
Xylenes, Total	ND		ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	3.6		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	3.6		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	0.87	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.96	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	34.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 16:06
Analyst: LAC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.76		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	2.5		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	2.5		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:22
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 16:32
Analyst: LAC
Percent Solids: 93%

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:22
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.0		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	0.96		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	0.96		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	1.1	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:22
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:30
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 18:26
Analyst: JIC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	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	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	118		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	114		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/14/23 18:52
Analyst: JIC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.24	J	ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	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	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	114		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/15/23 13:05
Analyst: LAC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	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	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08 Date Collected: 09/05/23 00:00

Client ID: FD-2 2023-09-05 (5'BGS) Date Received: 09/05/23

Sample Location: 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	0.91		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	2.5		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	2.5		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	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	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	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/13/23 12:12
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	121		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-11
Client ID: TB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/13/23 12:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-11
Client ID: TB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-11
Client ID: TB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	81		70-130
Dibromofluoromethane	117		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/13/23 08:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1826961-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/13/23 08:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1826961-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/13/23 08:31
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 10-11 Batch: WG1826961-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	113		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 09:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1827526-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 09:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1827526-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 09:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1827526-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 15:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-07 Batch: WG1827935-5					
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	0.90	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 15:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-07 Batch: WG1827935-5					
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	7.5	J	ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/14/23 15:22
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 06-07 Batch: WG1827935-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/15/23 10:29
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1828699-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/15/23 10:29
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1828699-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/15/23 10:29
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 08 Batch: WG1828699-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1826961-3 WG1826961-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	93		95		70-130	2		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	89		91		70-130	2		20
Dibromochloromethane	94		95		63-130	1		20
1,1,2-Trichloroethane	98		99		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	90		87		62-150	3		20
1,2-Dichloroethane	81		84		70-130	4		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	99		97		67-130	2		20
trans-1,3-Dichloropropene	88		90		70-130	2		20
cis-1,3-Dichloropropene	92		92		70-130	0		20
1,1-Dichloropropene	99		96		70-130	3		20
Bromoform	88		88		54-136	0		20
1,1,2,2-Tetrachloroethane	95		94		67-130	1		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	110		110		64-130	0		20
Bromomethane	56		56		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1826961-3 WG1826961-4								
Vinyl chloride	77		76		55-140	1		20
Chloroethane	69		72		55-138	4		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	95		92		70-130	3		20
1,2-Dichlorobenzene	98		98		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	77		78		63-130	1		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	95		98		70-130	3		20
1,2,3-Trichloropropane	84		82		64-130	2		20
Acrylonitrile	90		94		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		91		36-147	3		20
Acetone	120		100		58-148	18		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		110		63-138	10		20
Vinyl acetate	**140**	Q	**140**	Q	70-130	0		20
4-Methyl-2-pentanone	71		72		59-130	1		20
2-Hexanone	76		86		57-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1826961-3 WG1826961-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	93		93		70-130	0		20
1,3-Dichloropropane	93		94		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	96		98		70-130	2		20
n-Butylbenzene	89		90		53-136	1		20
sec-Butylbenzene	88		89		70-130	1		20
tert-Butylbenzene	86		89		70-130	3		20
o-Chlorotoluene	92		91		70-130	1		20
p-Chlorotoluene	90		90		70-130	0		20
1,2-Dibromo-3-chloropropane	93		89		41-144	4		20
Hexachlorobutadiene	98		99		63-130	1		20
Isopropylbenzene	86		87		70-130	1		20
p-Isopropyltoluene	86		89		70-130	3		20
Naphthalene	**67**	Q	72		70-130	7		20
n-Propylbenzene	89		90		69-130	1		20
1,2,3-Trichlorobenzene	81		86		70-130	6		20
1,2,4-Trichlorobenzene	89		92		70-130	3		20
1,3,5-Trimethylbenzene	90		90		64-130	0		20
1,2,4-Trimethylbenzene	89		90		70-130	1		20
1,4-Dioxane	134		138		56-162	3		20
p-Diethylbenzene	84		88		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 10-11 Batch: WG1826961-3 WG1826961-4								
p-Ethyltoluene	90		90		70-130	0		20
1,2,4,5-Tetramethylbenzene	77		79		70-130	3		20
Ethyl ether	72		75		59-134	4		20
trans-1,4-Dichloro-2-butene	**68**	Q	**68**	Q	70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	84		85		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	81		83		70-130
Dibromofluoromethane	106		108		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1827526-3 WG1827526-4								
Methylene chloride	89		90		70-130	1		30
1,1-Dichloroethane	89		89		70-130	0		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	88		87		70-130	1		30
1,2-Dichloropropane	93		95		70-130	2		30
Dibromochloromethane	95		97		70-130	2		30
1,1,2-Trichloroethane	96		98		70-130	2		30
Tetrachloroethene	89		91		70-130	2		30
Chlorobenzene	91		93		70-130	2		30
Trichlorofluoromethane	87		88		70-139	1		30
1,2-Dichloroethane	93		95		70-130	2		30
1,1,1-Trichloroethane	89		90		70-130	1		30
Bromodichloromethane	95		95		70-130	0		30
trans-1,3-Dichloropropene	101		103		70-130	2		30
cis-1,3-Dichloropropene	87		88		70-130	1		30
1,1-Dichloropropene	94		94		70-130	0		30
Bromoform	86		88		70-130	2		30
1,1,2,2-Tetrachloroethane	96		98		70-130	2		30
Benzene	92		93		70-130	1		30
Toluene	89		90		70-130	1		30
Ethylbenzene	91		93		70-130	2		30
Chloromethane	75		75		52-130	0		30
Bromomethane	86		86		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1827526-3 WG1827526-4								
Vinyl chloride	81		80		67-130	1		30
Chloroethane	86		86		50-151	0		30
1,1-Dichloroethene	87		88		65-135	1		30
trans-1,2-Dichloroethene	90		90		70-130	0		30
Trichloroethene	91		93		70-130	2		30
1,2-Dichlorobenzene	92		94		70-130	2		30
1,3-Dichlorobenzene	94		95		70-130	1		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	92		94		70-130	2		30
o-Xylene	92		93		70-130	1		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	93		95		70-130	2		30
Styrene	94		97		70-130	3		30
Dichlorodifluoromethane	74		74		30-146	0		30
Acetone	86		90		54-140	5		30
Carbon disulfide	82		82		59-130	0		30
2-Butanone	81		83		70-130	2		30
Vinyl acetate	88		84		70-130	5		30
4-Methyl-2-pentanone	92		97		70-130	5		30
1,2,3-Trichloropropane	93		96		68-130	3		30
2-Hexanone	84		88		70-130	5		30
Bromochloromethane	91		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1827526-3 WG1827526-4								
2,2-Dichloropropane	92		91		70-130	1		30
1,2-Dibromoethane	91		94		70-130	3		30
1,3-Dichloropropane	96		99		69-130	3		30
1,1,1,2-Tetrachloroethane	92		94		70-130	2		30
Bromobenzene	90		92		70-130	2		30
n-Butylbenzene	98		98		70-130	0		30
sec-Butylbenzene	91		92		70-130	1		30
tert-Butylbenzene	91		91		70-130	0		30
o-Chlorotoluene	92		93		70-130	1		30
p-Chlorotoluene	93		95		70-130	2		30
1,2-Dibromo-3-chloropropane	79		82		68-130	4		30
Hexachlorobutadiene	90		89		67-130	1		30
Isopropylbenzene	92		92		70-130	0		30
p-Isopropyltoluene	95		96		70-130	1		30
Naphthalene	94		97		70-130	3		30
Acrylonitrile	86		88		70-130	2		30
n-Propylbenzene	94		96		70-130	2		30
1,2,3-Trichlorobenzene	96		98		70-130	2		30
1,2,4-Trichlorobenzene	99		102		70-130	3		30
1,3,5-Trimethylbenzene	92		93		70-130	1		30
1,2,4-Trimethylbenzene	94		95		70-130	1		30
1,4-Dioxane	79		85		65-136	7		30
p-Diethylbenzene	96		97		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1827526-3 WG1827526-4								
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		30
Ethyl ether	93		94		67-130	1		30
trans-1,4-Dichloro-2-butene	103		105		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		96		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	103		102		70-130
Dibromofluoromethane	96		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-07 Batch: WG1827935-3 WG1827935-4								
Methylene chloride	105		105		70-130	0		30
1,1-Dichloroethane	111		106		70-130	5		30
Chloroform	110		107		70-130	3		30
Carbon tetrachloride	111		93		70-130	18		30
1,2-Dichloropropane	114		114		70-130	0		30
Dibromochloromethane	113		115		70-130	2		30
1,1,2-Trichloroethane	106		108		70-130	2		30
Tetrachloroethene	109		96		70-130	13		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	**141**	Q	109		70-139	26		30
1,2-Dichloroethane	112		114		70-130	2		30
1,1,1-Trichloroethane	114		100		70-130	13		30
Bromodichloromethane	114		115		70-130	1		30
trans-1,3-Dichloropropene	104		105		70-130	1		30
cis-1,3-Dichloropropene	114		115		70-130	1		30
1,1-Dichloropropene	111		96		70-130	14		30
Bromoform	111		113		70-130	2		30
1,1,2,2-Tetrachloroethane	92		94		70-130	2		30
Benzene	112		107		70-130	5		30
Toluene	99		96		70-130	3		30
Ethylbenzene	100		96		70-130	4		30
Chloromethane	122		116		52-130	5		30
Bromomethane	**189**	Q	**177**	Q	57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-07 Batch: WG1827935-3 WG1827935-4								
Vinyl chloride	130		109		67-130	18		30
Chloroethane	144		143		50-151	1		30
1,1-Dichloroethene	**169**	Q	**138**	Q	65-135	20		30
trans-1,2-Dichloroethene	108		102		70-130	6		30
Trichloroethene	120		113		70-130	6		30
1,2-Dichlorobenzene	103		105		70-130	2		30
1,3-Dichlorobenzene	101		102		70-130	1		30
1,4-Dichlorobenzene	98		102		70-130	4		30
Methyl tert butyl ether	100		100		66-130	0		30
p/m-Xylene	103		100		70-130	3		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	110		109		70-130	1		30
Dibromomethane	113		114		70-130	1		30
Styrene	104		107		70-130	3		30
Dichlorodifluoromethane	121		86		30-146	**34**	Q	30
Acetone	136		139		54-140	2		30
Carbon disulfide	**150**	Q	120		59-130	22		30
2-Butanone	**132**	Q	126		70-130	5		30
Vinyl acetate	101		103		70-130	2		30
4-Methyl-2-pentanone	101		101		70-130	0		30
1,2,3-Trichloropropane	98		100		68-130	2		30
2-Hexanone	109		107		70-130	2		30
Bromochloromethane	117		118		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-07 Batch: WG1827935-3 WG1827935-4								
2,2-Dichloropropane	104		88		70-130	17		30
1,2-Dibromoethane	110		115		70-130	4		30
1,3-Dichloropropane	103		106		69-130	3		30
1,1,1,2-Tetrachloroethane	113		113		70-130	0		30
Bromobenzene	102		103		70-130	1		30
n-Butylbenzene	95		87		70-130	9		30
sec-Butylbenzene	98		88		70-130	11		30
tert-Butylbenzene	100		91		70-130	9		30
o-Chlorotoluene	94		92		70-130	2		30
p-Chlorotoluene	93		93		70-130	0		30
1,2-Dibromo-3-chloropropane	102		107		68-130	5		30
Hexachlorobutadiene	100		88		67-130	13		30
Isopropylbenzene	99		91		70-130	8		30
p-Isopropyltoluene	100		92		70-130	8		30
Naphthalene	102		106		70-130	4		30
Acrylonitrile	120		120		70-130	0		30
n-Propylbenzene	97		90		70-130	7		30
1,2,3-Trichlorobenzene	101		106		70-130	5		30
1,2,4-Trichlorobenzene	97		103		70-130	6		30
1,3,5-Trimethylbenzene	95		91		70-130	4		30
1,2,4-Trimethylbenzene	94		93		70-130	1		30
1,4-Dioxane	90		90		65-136	0		30
p-Diethylbenzene	98		93		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 06-07 Batch: WG1827935-3 WG1827935-4								
p-Ethyltoluene	98		94		70-130	4		30
1,2,4,5-Tetramethylbenzene	100		101		70-130	1		30
Ethyl ether	**140**	Q	**144**	Q	67-130	3		30
trans-1,4-Dichloro-2-butene	99		100		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		105		70-130
Toluene-d8	98		97		70-130
4-Bromofluorobenzene	87		87		70-130
Dibromofluoromethane	104		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1828699-3 WG1828699-4								
Methylene chloride	81		82		70-130	1		30
1,1-Dichloroethane	83		84		70-130	1		30
Chloroform	86		85		70-130	1		30
Carbon tetrachloride	79		80		70-130	1		30
1,2-Dichloropropane	85		86		70-130	1		30
Dibromochloromethane	102		101		70-130	1		30
1,1,2-Trichloroethane	95		93		70-130	2		30
Tetrachloroethene	92		93		70-130	1		30
Chlorobenzene	91		91		70-130	0		30
Trichlorofluoromethane	81		82		70-139	1		30
1,2-Dichloroethane	90		88		70-130	2		30
1,1,1-Trichloroethane	87		88		70-130	1		30
Bromodichloromethane	92		91		70-130	1		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	93		93		70-130	0		30
1,1-Dichloropropene	83		85		70-130	2		30
Bromoform	106		104		70-130	2		30
1,1,2,2-Tetrachloroethane	102		98		70-130	4		30
Benzene	84		84		70-130	0		30
Toluene	79		80		70-130	1		30
Ethylbenzene	85		86		70-130	1		30
Chloromethane	68		68		52-130	0		30
Bromomethane	94		96		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1828699-3 WG1828699-4								
Vinyl chloride	73		74		67-130	1		30
Chloroethane	78		79		50-151	1		30
1,1-Dichloroethene	82		84		65-135	2		30
trans-1,2-Dichloroethene	84		84		70-130	0		30
Trichloroethene	86		88		70-130	2		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	96		95		70-130	1		30
Methyl tert butyl ether	94		92		66-130	2		30
p/m-Xylene	85		86		70-130	1		30
o-Xylene	91		92		70-130	1		30
cis-1,2-Dichloroethene	85		86		70-130	1		30
Dibromomethane	95		93		70-130	2		30
Styrene	92		92		70-130	0		30
Dichlorodifluoromethane	59		60		30-146	2		30
Acetone	116		107		54-140	8		30
Carbon disulfide	72		73		59-130	1		30
2-Butanone	110		100		70-130	10		30
Vinyl acetate	92		88		70-130	4		30
4-Methyl-2-pentanone	106		100		70-130	6		30
1,2,3-Trichloropropane	101		96		68-130	5		30
2-Hexanone	108		101		70-130	7		30
Bromochloromethane	96		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1828699-3 WG1828699-4

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
2,2-Dichloropropane	84		85		70-130	1		30
1,2-Dibromoethane	104		102		70-130	2		30
1,3-Dichloropropane	94		92		69-130	2		30
1,1,1,2-Tetrachloroethane	95		95		70-130	0		30
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	87		88		70-130	1		30
sec-Butylbenzene	88		89		70-130	1		30
tert-Butylbenzene	89		90		70-130	1		30
o-Chlorotoluene	86		87		70-130	1		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	101		96		68-130	5		30
Hexachlorobutadiene	97		99		67-130	2		30
Isopropylbenzene	88		89		70-130	1		30
p-Isopropyltoluene	90		91		70-130	1		30
Naphthalene	121		117		70-130	3		30
Acrylonitrile	107		99		70-130	8		30
n-Propylbenzene	87		88		70-130	1		30
1,2,3-Trichlorobenzene	120		120		70-130	0		30
1,2,4-Trichlorobenzene	112		110		70-130	2		30
1,3,5-Trimethylbenzene	89		90		70-130	1		30
1,2,4-Trimethylbenzene	91		91		70-130	0		30
1,4-Dioxane	120		110		65-136	9		30
p-Diethylbenzene	92		92		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 08 Batch: WG1828699-3 WG1828699-4								
p-Ethyltoluene	90		90		70-130	0		30
1,2,4,5-Tetramethylbenzene	99		98		70-130	1		30
Ethyl ether	91		90		67-130	1		30
trans-1,4-Dichloro-2-butene	100		96		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		94		70-130
Toluene-d8	97		96		70-130
4-Bromofluorobenzene	97		96		70-130
Dibromofluoromethane	99		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1827526-8 WG1827526-9 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
Methylene chloride	ND	95.4	73	77		67	**68**	Q	70-130	10		30
1,1-Dichloroethane	ND	95.4	75	79		68	70		70-130	10		30
Chloroform	ND	95.4	74	77		67	**69**	Q	70-130	10		30
Carbon tetrachloride	ND	95.4	77	80		68	70		70-130	12		30
1,2-Dichloropropane	ND	95.4	77	80		70	72		70-130	9		30
Dibromochloromethane	ND	95.4	79	83		72	74		70-130	10		30
1,1,2-Trichloroethane	ND	95.4	77	81		72	74		70-130	8		30
Tetrachloroethene	ND	95.4	79	82		66	**67**	Q	70-130	18		30
Chlorobenzene	ND	95.4	76	80		65	**67**	Q	70-130	16		30
Trichlorofluoromethane	ND	95.4	81	85		71	73		70-139	12		30
1,2-Dichloroethane	ND	95.4	73	77		68	70		70-130	7		30
1,1,1-Trichloroethane	ND	95.4	77	80		69	71		70-130	11		30
Bromodichloromethane	ND	95.4	76	80		69	71		70-130	9		30
trans-1,3-Dichloropropene	ND	95.4	81	85		73	74		70-130	11		30
cis-1,3-Dichloropropene	ND	95.4	70	73		63	**65**	Q	70-130	10		30
1,1-Dichloropropene	ND	95.4	78	82		69	71		70-130	13		30
Bromoform	ND	95.4	72	75		65	**67**	Q	70-130	9		30
1,1,2,2-Tetrachloroethane	ND	95.4	77	81		71	73		70-130	8		30
Benzene	ND	95.4	77	81		70	71		70-130	10		30
Toluene	ND	95.4	78	82		68	70		70-130	14		30
Ethylbenzene	ND	95.4	77	81		65	**67**	Q	70-130	17		30
Chloromethane	ND	95.4	74	78		68	69		52-130	9		30
Bromomethane	ND	95.4	78	82		69	71		57-147	12		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1827526-8 WG1827526-9 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
Vinyl chloride	ND	95.4	80	83		71	73		67-130	12		30
Chloroethane	ND	95.4	78	82		69	71		50-151	12		30
1,1-Dichloroethene	ND	95.4	81	85		71	73		65-135	13		30
trans-1,2-Dichloroethene	ND	95.4	77	81		67	**69**	Q	70-130	13		30
Trichloroethene	0.36J	95.4	75	79		66	**68**	Q	70-130	13		30
1,2-Dichlorobenzene	ND	95.4	69	72		55	**56**	Q	70-130	23		30
1,3-Dichlorobenzene	ND	95.4	71	74		55	**56**	Q	70-130	25		30
1,4-Dichlorobenzene	ND	95.4	68	72		54	**55**	Q	70-130	24		30
Methyl tert butyl ether	ND	95.4	82	86		77	79		66-130	6		30
p/m-Xylene	ND	191	160	81		130	**66**	Q	70-130	18		30
o-Xylene	ND	191	160	81		130	**67**	Q	70-130	17		30
cis-1,2-Dichloroethene	ND	95.4	76	80		68	70		70-130	11		30
Dibromomethane	ND	95.4	73	76		68	**69**	Q	70-130	7		30
Styrene	ND	191	150	80		130	**65**	Q	70-130	18		30
Dichlorodifluoromethane	ND	95.4	86	90		76	78		30-146	12		30
Acetone	ND	95.4	60	63		62	64		54-140	3		30
Carbon disulfide	ND	95.4	71	75		62	63		59-130	15		30
2-Butanone	ND	95.4	58	**61**	Q	57	**58**	Q	70-130	2		30
Vinyl acetate	ND	95.4	49	**52**	Q	37	**38**	Q	70-130	28		30
4-Methyl-2-pentanone	ND	95.4	69	72		67	**68**	Q	70-130	3		30
1,2,3-Trichloropropane	ND	95.4	73	76		67	69		68-130	8		30
2-Hexanone	ND	95.4	63	**66**	Q	63	**64**	Q	70-130	0		30
Bromochloromethane	ND	95.4	73	77		68	70		70-130	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1827526-8 WG1827526-9 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
2,2-Dichloropropane	ND	95.4	80	84		72	74		70-130	11		30
1,2-Dibromoethane	ND	95.4	72	76		67	**69**	Q	70-130	8		30
1,3-Dichloropropane	ND	95.4	78	81		72	73		69-130	8		30
1,1,1,2-Tetrachloroethane	ND	95.4	79	83		70	72		70-130	12		30
Bromobenzene	ND	95.4	75	79		63	**65**	Q	70-130	18		30
n-Butylbenzene	ND	95.4	70	73		48	**50**	Q	70-130	**36**	Q	30
sec-Butylbenzene	ND	95.4	72	76		53	**54**	Q	70-130	**32**	Q	30
tert-Butylbenzene	ND	95.4	77	80		58	**59**	Q	70-130	28		30
o-Chlorotoluene	ND	95.4	75	78		60	**61**	Q	70-130	22		30
p-Chlorotoluene	ND	95.4	74	78		59	**61**	Q	70-130	23		30
1,2-Dibromo-3-chloropropane	ND	95.4	59	**62**	Q	56	**58**	Q	68-130	5		30
Hexachlorobutadiene	ND	95.4	53	**55**	Q	33	**33**	Q	67-130	**47**	Q	30
Isopropylbenzene	ND	95.4	80	84		64	**66**	Q	70-130	23		30
p-Isopropyltoluene	ND	95.4	75	79		54	**56**	Q	70-130	**32**	Q	30
Naphthalene	ND	95.4	55	**58**	Q	47	**48**	Q	70-130	17		30
Acrylonitrile	ND	95.4	67	71		65	**66**	Q	70-130	4		30
n-Propylbenzene	ND	95.4	78	82		60	**62**	Q	70-130	26		30
1,2,3-Trichlorobenzene	ND	95.4	53	**56**	Q	38	**39**	Q	70-130	**33**	Q	30
1,2,4-Trichlorobenzene	ND	95.4	58	**60**	Q	41	**42**	Q	70-130	**35**	Q	30
1,3,5-Trimethylbenzene	ND	95.4	77	80		59	**61**	Q	70-130	26		30
1,2,4-Trimethylbenzene	ND	95.4	77	80		59	**61**	Q	70-130	26		30
1,4-Dioxane	ND	4770	3500	73		3200	66		65-136	8		30
p-Diethylbenzene	ND	95.4	73	77		52	**53**	Q	70-130	**34**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1827526-8 WG1827526-9 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
p-Ethyltoluene	ND	95.4	79	82		61	**62**	Q	70-130	26		30
1,2,4,5-Tetramethylbenzene	ND	95.4	72	76		51	**52**	Q	70-130	**35**	Q	30
Ethyl ether	ND	95.4	83	87		77	78		67-130	8		30
trans-1,4-Dichloro-2-butene	ND	95.4	79	83		77	79		70-130	3		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		90		70-130
4-Bromofluorobenzene	106		108		70-130
Dibromofluoromethane	91		91		70-130
Toluene-d8	100		99		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 19:11
Analyst: EJL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	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	110		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	ND		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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01 Date Collected: 09/05/23 09:55

Client ID: EP-39 (5'BGS) Date Received: 09/05/23

Sample Location: 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	68	J	ug/kg	100	20.	1
Benzo(a)pyrene	71	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	82	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	70	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	48	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	49	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	42	J	ug/kg	140	24.	1
Pyrene	110		ug/kg	100	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	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	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	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	850	82.	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	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
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	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	59		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 09/26/23 20:00
Analyst: ANH
Percent Solids: 93%

Extraction Method: EPA 1633
Extraction Date: 09/21/23 06:42
Cleanup Method: EPA 1633
Cleanup Date: 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.125	J	ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.132	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	0.800	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	0.257	J	ng/g	0.200	0.052	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	83		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	57		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	74		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	71		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	60		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	67		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 20:02
Analyst: EJL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	ND		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	61.	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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02 Date Collected: 09/05/23 10:23

Client ID: EP-20 (5'BGS) Date Received: 09/05/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		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	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	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	58.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:23
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	59		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/10/23 15:39
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	ND		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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03 Date Collected: 09/05/23 10:45

Client ID: EP-19 (5'BGS) Date Received: 09/05/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	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	140	25.	1
Pyrene	ND		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	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:45
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	68		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 20:19
Analyst: EJL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	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	ND		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	190	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	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	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	140	25.	1
Pyrene	ND		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	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
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	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	45		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	64		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:22
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/10/23 15:23
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	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	62	J	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	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:22
Date Received: 09/05/23
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	34	J	ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	41	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	36	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	56	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	36	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	34	J	ug/kg	140	24.	1
Pyrene	61	J	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	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:22
Date Received: 09/05/23
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	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	77		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:30
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 20:36
Analyst: EJL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		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	1400		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	460		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	570		ug/kg	110	20.	1
Benzo(a)pyrene	580		ug/kg	140	44.	1
Benzo(b)fluoranthene	660		ug/kg	110	30.	1
Benzo(k)fluoranthene	140		ug/kg	110	29.	1
Chrysene	630		ug/kg	110	19.	1
Acenaphthylene	53	J	ug/kg	140	28.	1
Anthracene	430		ug/kg	110	35.	1
Benzo(ghi)perylene	390		ug/kg	140	21.	1
Fluorene	200		ug/kg	180	18.	1
Phenanthrene	1800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	78	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	310		ug/kg	140	25.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	43	J	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	170	J	ug/kg	180	17.	1
2-Methylnaphthalene	150	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	74.	1
2,4-Dinitrophenol	ND		ug/kg	870	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	33	J	ug/kg	260	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	160	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	81		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 20:53
Analyst: EJL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	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	ND		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	500	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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07 Date Collected: 09/05/23 13:25

Client ID: EP-14 (5'BGS) Date Received: 09/05/23

Sample Location: 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	ND		ug/kg	100	20.	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	ND		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	ND		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	22.	1
4-Chloroaniline	ND		ug/kg	170	32.	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	71.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 13:25
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	33		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	52		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/08/23 21:10
Analyst: EJL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

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	ND		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: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08 Date Collected: 09/05/23 00:00

Client ID: FD-2 2023-09-05 (5'BGS) Date Received: 09/05/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	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	140	25.	1
Pyrene	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	65		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-09
Client ID: FB PFAS 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:35
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 09/27/23 11:42
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 09/20/23 07:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.92	0.948	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.96	0.792	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.48	0.496	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.48	0.437	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.48	0.296	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.48	0.356	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.48	0.644	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.92	2.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.48	0.400	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.48	0.467	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.48	0.674	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.600	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.92	2.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.807	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.644	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.341	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.400	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.800	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.681	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.556	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.392	1
PFOA/PFOS, Total	ND		ng/l	1.48	0.644	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-09
Client ID: FB PFAS 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:35
Date Received: 09/05/23
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)	89		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**228**	Q	20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	115		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**201**	Q	20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	110		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	110		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 09/08/23 10:27
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 09/08/23 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	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	48		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	48		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/10/23 12:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 09/08/23 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
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	51		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	77		10-120
4-Terphenyl-d14	54		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/15/23 02:50
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 09/10/23 13:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 21:32
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1824082-1					
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	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	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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 21:32
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1824082-1					
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	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 21:32
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1824082-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
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	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 15:32
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1824414-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 15:32
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1824414-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/07/23 15:32
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 10 Batch: WG1824414-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	**124**	Q	10-120
4-Terphenyl-d14	84		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/07/23 13:54
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1824415-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	0.07	J	ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/07/23 13:54
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:19

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 10 Batch: WG1824415-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		21-120
Phenol-d6	67		10-120
Nitrobenzene-d5	118		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	114		10-120
4-Terphenyl-d14	81		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/11/23 11:22
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 09/10/23 13:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 10 Batch: WG1825655-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 09/27/23 07:34
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 09/20/23 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 09 Batch: WG1829538-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 09/27/23 07:34
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 09/20/23 07:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 09 Batch: WG1829538-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	101		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	72		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	70		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	67		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**178**	Q	20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	98		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**158**	Q	20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	114		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	87		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	85		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	107		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	86		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 09/26/23 16:35
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 09/21/23 06:42
Cleanup Method: EPA 1633
Cleanup Date: 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1830093-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 09/26/23 16:35
Analyst: ANH

Extraction Method: EPA 1633
Extraction Date: 09/21/23 06:42
Cleanup Method: EPA 1633
Cleanup Date: 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 01 Batch: WG1830093-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	114		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	74		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	98		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	63		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	92		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	88		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	93		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1824082-2 WG1824082-3								
Acenaphthene	67		64		31-137	5		50
1,2,4-Trichlorobenzene	68		66		38-107	3		50
Hexachlorobenzene	78		70		40-140	11		50
Bis(2-chloroethyl)ether	60		58		40-140	3		50
2-Chloronaphthalene	74		70		40-140	6		50
1,2-Dichlorobenzene	62		61		40-140	2		50
1,3-Dichlorobenzene	62		62		40-140	0		50
1,4-Dichlorobenzene	62		61		28-104	2		50
3,3'-Dichlorobenzidine	65		56		40-140	15		50
2,4-Dinitrotoluene	87		81		40-132	7		50
2,6-Dinitrotoluene	85		79		40-140	7		50
Fluoranthene	74		70		40-140	6		50
4-Chlorophenyl phenyl ether	76		71		40-140	7		50
4-Bromophenyl phenyl ether	78		71		40-140	9		50
Bis(2-chloroisopropyl)ether	58		57		40-140	2		50
Bis(2-chloroethoxy)methane	60		58		40-117	3		50
Hexachlorobutadiene	74		72		40-140	3		50
Hexachlorocyclopentadiene	64		62		40-140	3		50
Hexachloroethane	58		58		40-140	0		50
Isophorone	62		58		40-140	7		50
Naphthalene	64		63		40-140	2		50
Nitrobenzene	62		61		40-140	2		50
NDPA/DPA	76		71		36-157	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1824082-2 WG1824082-3								
n-Nitrosodi-n-propylamine	63		60		32-121	5		50
Bis(2-ethylhexyl)phthalate	77		74		40-140	4		50
Butyl benzyl phthalate	78		75		40-140	4		50
Di-n-butylphthalate	71		67		40-140	6		50
Di-n-octylphthalate	81		79		40-140	3		50
Diethyl phthalate	74		69		40-140	7		50
Dimethyl phthalate	76		70		40-140	8		50
Benzo(a)anthracene	76		73		40-140	4		50
Benzo(a)pyrene	84		81		40-140	4		50
Benzo(b)fluoranthene	80		73		40-140	9		50
Benzo(k)fluoranthene	74		76		40-140	3		50
Chrysene	77		74		40-140	4		50
Acenaphthylene	72		67		40-140	7		50
Anthracene	72		68		40-140	6		50
Benzo(ghi)perylene	75		74		40-140	1		50
Fluorene	74		70		40-140	6		50
Phenanthrene	70		67		40-140	4		50
Dibenzo(a,h)anthracene	76		76		40-140	0		50
Indeno(1,2,3-cd)pyrene	86		86		40-140	0		50
Pyrene	72		69		35-142	4		50
Biphenyl	74		69		37-127	7		50
4-Chloroaniline	59		52		40-140	13		50
2-Nitroaniline	88		82		47-134	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1824082-2 WG1824082-3								
3-Nitroaniline	76		68		26-129	11		50
4-Nitroaniline	80		73		41-125	9		50
Dibenzofuran	72		68		40-140	6		50
2-Methylnaphthalene	70		68		40-140	3		50
1,2,4,5-Tetrachlorobenzene	75		72		40-117	4		50
Acetophenone	63		61		14-144	3		50
2,4,6-Trichlorophenol	87		80		30-130	8		50
p-Chloro-m-cresol	76		71		26-103	7		50
2-Chlorophenol	66		66		25-102	0		50
2,4-Dichlorophenol	74		70		30-130	6		50
2,4-Dimethylphenol	60		57		30-130	5		50
2-Nitrophenol	81		78		30-130	4		50
4-Nitrophenol	81		75		11-114	8		50
2,4-Dinitrophenol	82		73		4-130	12		50
4,6-Dinitro-o-cresol	96		90		10-130	6		50
Pentachlorophenol	90		82		17-109	9		50
Phenol	65		62		26-90	5		50
2-Methylphenol	64		62		30-130.	3		50
3-Methylphenol/4-Methylphenol	65		61		30-130	6		50
2,4,5-Trichlorophenol	86		78		30-130	10		50
Benzoic Acid	32		31		10-110	3		50
Benzyl Alcohol	65		64		40-140	2		50
Carbazole	71		67		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1824082-2 WG1824082-3								
1,4-Dioxane	48		48		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	66		63		25-120
Phenol-d6	65		62		10-120
Nitrobenzene-d5	64		61		23-120
2-Fluorobiphenyl	71		67		30-120
2,4,6-Tribromophenol	85		79		10-136
4-Terphenyl-d14	72		69		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1824414-2 WG1824414-3								
Acenaphthene	77		71		37-111	8		30
1,2,4-Trichlorobenzene	88		76		39-98	15		30
Hexachlorobenzene	100		87		40-140	14		30
Bis(2-chloroethyl)ether	71		65		40-140	9		30
2-Chloronaphthalene	87		82		40-140	6		30
1,2-Dichlorobenzene	77		67		40-140	14		30
1,3-Dichlorobenzene	77		70		40-140	10		30
1,4-Dichlorobenzene	80		65		36-97	21		30
3,3'-Dichlorobenzidine	72		66		40-140	9		30
2,4-Dinitrotoluene	81		70		48-143	15		30
2,6-Dinitrotoluene	89		80		40-140	11		30
Fluoranthene	82		71		40-140	14		30
4-Chlorophenyl phenyl ether	81		72		40-140	12		30
4-Bromophenyl phenyl ether	95		82		40-140	15		30
Bis(2-chloroisopropyl)ether	74		66		40-140	11		30
Bis(2-chloroethoxy)methane	78		69		40-140	12		30
Hexachlorobutadiene	100		90		40-140	11		30
Hexachlorocyclopentadiene	105		95		40-140	10		30
Hexachloroethane	83		74		40-140	11		30
Isophorone	77		69		40-140	11		30
Naphthalene	79		72		40-140	9		30
Nitrobenzene	86		72		40-140	18		30
NDPA/DPA	77		70		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1824414-2 WG1824414-3								
n-Nitrosodi-n-propylamine	82		73		29-132	12		30
Bis(2-ethylhexyl)phthalate	93		80		40-140	15		30
Butyl benzyl phthalate	87		76		40-140	13		30
Di-n-butylphthalate	82		73		40-140	12		30
Di-n-octylphthalate	88		74		40-140	17		30
Diethyl phthalate	81		74		40-140	9		30
Dimethyl phthalate	92		82		40-140	11		30
Benzo(a)anthracene	82		72		40-140	13		30
Benzo(a)pyrene	91		80		40-140	13		30
Benzo(b)fluoranthene	87		75		40-140	15		30
Benzo(k)fluoranthene	79		72		40-140	9		30
Chrysene	84		72		40-140	15		30
Acenaphthylene	93		86		45-123	8		30
Anthracene	81		72		40-140	12		30
Benzo(ghi)perylene	86		78		40-140	10		30
Fluorene	81		71		40-140	13		30
Phenanthrene	78		69		40-140	12		30
Dibenzo(a,h)anthracene	79		72		40-140	9		30
Indeno(1,2,3-cd)pyrene	80		71		40-140	12		30
Pyrene	83		71		26-127	16		30
Biphenyl	69		60		40-140	14		30
4-Chloroaniline	70		63		40-140	11		30
2-Nitroaniline	94		85		52-143	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1824414-2 WG1824414-3								
3-Nitroaniline	71		68		25-145	4		30
4-Nitroaniline	78		71		51-143	9		30
Dibenzofuran	86		77		40-140	11		30
2-Methylnaphthalene	85		78		40-140	9		30
1,2,4,5-Tetrachlorobenzene	78		69		2-134	12		30
Acetophenone	61		54		39-129	12		30
2,4,6-Trichlorophenol	111		96		30-130	14		30
p-Chloro-m-cresol	93		80		23-97	15		30
2-Chlorophenol	80		71		27-123	12		30
2,4-Dichlorophenol	94		87		30-130	8		30
2,4-Dimethylphenol	82		75		30-130	9		30
2-Nitrophenol	86		77		30-130	11		30
4-Nitrophenol	**92**	Q	77		10-80	18		30
2,4-Dinitrophenol	94		85		20-130	10		30
4,6-Dinitro-o-cresol	101		94		20-164	7		30
Pentachlorophenol	**115**	Q	**109**	Q	9-103	5		30
Phenol	58		51		12-110	13		30
2-Methylphenol	81		67		30-130	19		30
3-Methylphenol/4-Methylphenol	82		73		30-130	12		30
2,4,5-Trichlorophenol	110		105		30-130	5		30
Benzoic Acid	86		79		10-164	8		30
Benzyl Alcohol	76		73		26-116	4		30
Carbazole	82		72		55-144	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 10 Batch: WG1824414-2 WG1824414-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		63		21-120
Phenol-d6	60		52		10-120
Nitrobenzene-d5	86		66		23-120
2-Fluorobiphenyl	86		79		15-120
2,4,6-Tribromophenol	116		100		10-120
4-Terphenyl-d14	76		65		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1824415-2 WG1824415-3								
Acenaphthene	96		87		40-140	10		40
2-Chloronaphthalene	97		89		40-140	9		40
Fluoranthene	113		103		40-140	9		40
Hexachlorobutadiene	94		84		40-140	11		40
Naphthalene	93		84		40-140	10		40
Benzo(a)anthracene	113		102		40-140	10		40
Benzo(a)pyrene	124		112		40-140	10		40
Benzo(b)fluoranthene	116		103		40-140	12		40
Benzo(k)fluoranthene	113		106		40-140	6		40
Chrysene	104		95		40-140	9		40
Acenaphthylene	112		102		40-140	9		40
Anthracene	104		94		40-140	10		40
Benzo(ghi)perylene	110		100		40-140	10		40
Fluorene	103		94		40-140	9		40
Phenanthrene	94		84		40-140	11		40
Dibenzo(a,h)anthracene	109		99		40-140	10		40
Indeno(1,2,3-cd)pyrene	112		101		40-140	10		40
Pyrene	112		102		40-140	9		40
2-Methylnaphthalene	101		91		40-140	10		40
Pentachlorophenol	**157**	Q	**143**	Q	40-140	9		40
Hexachlorobenzene	96		86		40-140	11		40
Hexachloroethane	98		87		40-140	12		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 10 Batch: WG1824415-2 WG1824415-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	98		86		21-120
Phenol-d6	88		79		10-120
Nitrobenzene-d5	**134**	Q	119		23-120
2-Fluorobiphenyl	93		83		15-120
2,4,6-Tribromophenol	**158**	Q	**139**	Q	10-120
4-Terphenyl-d14	97		87		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 10 Batch: WG1825655-2 WG1825655-3								
1,4-Dioxane	115		112		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	43		40		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 09 Batch: WG1829538-2 LOW LEVEL

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorobutanoic Acid (PFBA)	104		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	122		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	110		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	106		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	136		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	**178**	Q	-		40-150	-		30
Perfluorononanoic Acid (PFNA)	129		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	128		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	116		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	84		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	88		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	106		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	119		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	109		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	71		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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): 09 Batch: WG1829538-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	110				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	62				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	96				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	64				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	128				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	54				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	124				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	52				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	69				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	85				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	78				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 09 Batch: WG1829538-3								
Perfluorobutanoic Acid (PFBA)	104		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	115		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	78		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	110		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	86		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	107		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	96		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	115		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	81		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	80		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	99		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	105		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	115		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 09 Batch: WG1829538-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	74				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	76				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	71				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	**162**	Q			20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	68				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**154**	Q			20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	112				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	106				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	75				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	71				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Low Level LCS %Recovery	Qual	Low Level LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1830093-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	108		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	96		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	108		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	111		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	105		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	96		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	122		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	113		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	96		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	108		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	92		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	111		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1830093-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	100				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	73				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	69				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	77				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	75				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	48				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1830093-3								
Perfluorobutanoic Acid (PFBA)	109		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	118		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	134		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	95		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	116		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	113		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	113		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	121		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	94		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	114		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 01 Batch: WG1830093-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	77				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	63				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	56				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	58				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	72				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	64				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	72				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	77				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	75				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	60				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824082-4 WG1824082-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
Acenaphthene	ND	1420	950	67		850	60		31-137	11		50
1,2,4-Trichlorobenzene	ND	1420	1000	71		920	65		38-107	8		50
Hexachlorobenzene	ND	1420	960	68		830	58		40-140	15		50
Bis(2-chloroethyl)ether	ND	1420	740	52		710	50		40-140	4		50
2-Chloronaphthalene	ND	1420	1000	71		930	65		40-140	7		50
1,2-Dichlorobenzene	ND	1420	900	64		840	59		40-140	7		50
1,3-Dichlorobenzene	ND	1420	890	63		830	58		40-140	7		50
1,4-Dichlorobenzene	ND	1420	880	62		840	59		28-104	5		50
3,3'-Dichlorobenzidine	ND	1420	870	61		770	54		40-140	12		50
2,4-Dinitrotoluene	ND	1420	910	64		800	56		40-132	13		50
2,6-Dinitrotoluene	ND	1420	970	69		830	58		40-140	16		50
Fluoranthene	110	1420	1200	77		1100	70		40-140	9		50
4-Chlorophenyl phenyl ether	ND	1420	1000	71		910	64		40-140	9		50
4-Bromophenyl phenyl ether	ND	1420	1000	71		900	63		40-140	11		50
Bis(2-chloroisopropyl)ether	ND	1420	790	56		780	55		40-140	1		50
Bis(2-chloroethoxy)methane	ND	1420	770	54		730	51		40-117	5		50
Hexachlorobutadiene	ND	1420	1100	78		1000	70		40-140	10		50
Hexachlorocyclopentadiene	ND	1420	360J	**25**	Q	360J	**25**	Q	40-140	0		50
Hexachloroethane	ND	1420	740	52		680	48		40-140	8		50
Isophorone	ND	1420	730	52		690	48		40-140	6		50
Naphthalene	ND	1420	960	68		870	61		40-140	10		50
Nitrobenzene	ND	1420	690	49		650	46		40-140	6		50
NDPA/DPA	ND	1420	1000	71		870	61		36-157	14		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824082-4 WG1824082-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
n-Nitrosodi-n-propylamine	ND	1420	710	50		660	46		32-121	7		50
Bis(2-ethylhexyl)phthalate	ND	1420	1100	78		940	66		40-140	16		50
Butyl benzyl phthalate	ND	1420	1100	78		910	64		40-140	19		50
Di-n-butylphthalate	ND	1420	1000	71		920	65		40-140	8		50
Di-n-octylphthalate	ND	1420	1100	78		960	67		40-140	14		50
Diethyl phthalate	ND	1420	990	70		900	63		40-140	10		50
Dimethyl phthalate	ND	1420	1000	71		930	65		40-140	7		50
Benzo(a)anthracene	68J	1420	1200	85		1100	77		40-140	9		50
Benzo(a)pyrene	71J	1420	1200	85		1100	77		40-140	9		50
Benzo(b)fluoranthene	82J	1420	1100	78		1000	70		40-140	10		50
Benzo(k)fluoranthene	ND	1420	1100	78		950	67		40-140	15		50
Chrysene	70J	1420	1200	85		1000	70		40-140	18		50
Acenaphthylene	ND	1420	1000	71		900	63		40-140	11		50
Anthracene	ND	1420	1000	71		920	65		40-140	8		50
Benzo(ghi)perylene	48J	1420	1200	85		1000	70		40-140	18		50
Fluorene	ND	1420	990	70		870	61		40-140	13		50
Phenanthrene	49J	1420	1000	71		950	67		40-140	5		50
Dibenzo(a,h)anthracene	ND	1420	1100	78		970	68		40-140	13		50
Indeno(1,2,3-cd)pyrene	42J	1420	1300	92		1100	77		40-140	17		50
Pyrene	110	1420	1200	77		1000	63		35-142	18		50
Biphenyl	ND	1420	1000	71		920	65		37-127	8		50
4-Chloroaniline	ND	1420	550	**39**	Q	480	**34**	Q	40-140	14		50
2-Nitroaniline	ND	1420	1100	78		970	68		47-134	13		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824082-4 WG1824082-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
3-Nitroaniline	ND	1420	1100	78		950	67		26-129	15		50
4-Nitroaniline	ND	1420	970	69		830	58		41-125	16		50
Dibenzofuran	ND	1420	1000	71		920	65		40-140	8		50
2-Methylnaphthalene	ND	1420	1000	71		930	65		40-140	7		50
1,2,4,5-Tetrachlorobenzene	ND	1420	1100	78		1000	70		40-117	10		50
Acetophenone	ND	1420	820	58		780	55		14-144	5		50
2,4,6-Trichlorophenol	ND	1420	1200	85		1100	77		30-130	9		50
p-Chloro-m-cresol	ND	1420	910	64		810	57		26-103	12		50
2-Chlorophenol	ND	1420	960	68		890	63		25-102	8		50
2,4-Dichlorophenol	ND	1420	1100	78		1000	70		30-130	10		50
2,4-Dimethylphenol	ND	1420	720	51		650	46		30-130	10		50
2-Nitrophenol	ND	1420	780	55		760	53		30-130	3		50
4-Nitrophenol	ND	1420	660	47		560	39		11-114	16		50
2,4-Dinitrophenol	ND	1420	92J	7		92J	7		4-130	0		50
4,6-Dinitro-o-cresol	ND	1420	270J	19		250J	18		10-130	8		50
Pentachlorophenol	ND	1420	1200	85		1000	70		17-109	18		50
Phenol	ND	1420	770	54		770	54		26-90	0		50
2-Methylphenol	ND	1420	830	59		760	53		30-130.	9		50
3-Methylphenol/4-Methylphenol	ND	1420	840	59		780	55		30-130	7		50
2,4,5-Trichlorophenol	ND	1420	1200	85		1000	70		30-130	18		50
Benzoic Acid	ND	1420	200J	14		190J	13		10-110	5		50
Benzyl Alcohol	ND	1420	770	54		720	51		40-140	7		50
Carbazole	ND	1420	990	70		890	63		54-128	11		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824082-4 WG1824082-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
1,4-Dioxane	ND	1420	570	40		550	**39**	Q	40-140	4		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	70		60		10-136
2-Fluorobiphenyl	71		65		30-120
2-Fluorophenol	57		55		25-120
4-Terphenyl-d14	69		59		18-120
Nitrobenzene-d5	48		46		23-120
Phenol-d6	56		52		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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): 01 QC Batch ID: WG1830093-4 WG1830093-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												
Perfluorobutanoic Acid (PFBA)	ND	8.03	7.14	89		7.71	97		40-150	8		30
Perfluoropentanoic Acid (PFPeA)	ND	4.01	3.30	82		3.38	85		40-150	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.78	1.58	89		1.67	94		40-150	6		30
Perfluorohexanoic Acid (PFHxA)	ND	2.01	1.70	85		1.57	79		40-150	8		30
Perfluoroheptanoic Acid (PFHpA)	ND	2.01	1.92	96		1.97	99		40-150	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.83	1.47	80		1.39	76		40-150	6		30
Perfluorooctanoic Acid (PFOA)	0.125J	2.01	1.72	80		1.88	88		40-150	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.62	7.50	98		7.04	93		40-150	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.91	1.78	93		1.78	94		40-150	0		30
Perfluorononanoic Acid (PFNA)	ND	2.01	1.74	87		1.79	90		40-150	3		30
Perfluorooctanesulfonic Acid (PFOS)	0.132J	1.86	1.70	84		1.66	83		40-150	2		30
Perfluorodecanoic Acid (PFDA)	ND	2.01	1.94	97		2.06	103		40-150	6		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.7	6.93	90		6.83	89		40-150	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	2.01	1.36	68		1.51	76		40-150	10		30
Perfluoroundecanoic Acid (PFUnA)	ND	2.01	1.81	90		2.03	102		40-150	11		30
Perfluorodecanesulfonic Acid (PFDS)	ND	1.94	1.61	83		1.71	89		40-150	6		30
Perfluorooctanesulfonamide (PFOSA)	ND	2.01	1.80	90		2.00	100		40-150	11		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2.01	1.63	81		2.17	109		40-150	28		30
Perfluorododecanoic Acid (PFDoA)	ND	2.01	1.95	97		1.85	93		40-150	5		30
Perfluorotridecanoic Acid (PFTrDA)	ND	2.01	2.03	101		1.82	91		40-150	11		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	2.01	2.14	107		2.14	107		40-150	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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): 01 QC Batch ID: WG1830093-4 WG1830093-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												

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)	84		74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	70		70		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	68		58		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	68		65		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	75		76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	64		69		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		75		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	77		73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70		71		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	69		69		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		93		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	80		74		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	56		68		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	51		58		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	76		72		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	97		91		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	73		80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	79		81		20-150

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 07:46
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.0	4.44	1	A
Aroclor 1221	ND		ug/kg	50.0	5.01	1	A
Aroclor 1232	ND		ug/kg	50.0	10.6	1	A
Aroclor 1242	ND		ug/kg	50.0	6.74	1	A
Aroclor 1248	ND		ug/kg	50.0	7.50	1	A
Aroclor 1254	ND		ug/kg	50.0	5.47	1	A
Aroclor 1260	ND		ug/kg	50.0	9.24	1	A
Aroclor 1262	ND		ug/kg	50.0	6.35	1	A
Aroclor 1268	ND		ug/kg	50.0	5.18	1	A
PCBs, Total	ND		ug/kg	50.0	4.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 08:34
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.0	4.61	1	A
Aroclor 1221	ND		ug/kg	52.0	5.21	1	A
Aroclor 1232	ND		ug/kg	52.0	11.0	1	A
Aroclor 1242	ND		ug/kg	52.0	7.00	1	A
Aroclor 1248	ND		ug/kg	52.0	7.79	1	A
Aroclor 1254	ND		ug/kg	52.0	5.68	1	A
Aroclor 1260	ND		ug/kg	52.0	9.60	1	A
Aroclor 1262	ND		ug/kg	52.0	6.60	1	A
Aroclor 1268	ND		ug/kg	52.0	5.38	1	A
PCBs, Total	ND		ug/kg	52.0	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 08:42
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.1	4.71	1	A
Aroclor 1221	ND		ug/kg	53.1	5.32	1	A
Aroclor 1232	ND		ug/kg	53.1	11.2	1	A
Aroclor 1242	ND		ug/kg	53.1	7.16	1	A
Aroclor 1248	ND		ug/kg	53.1	7.96	1	A
Aroclor 1254	ND		ug/kg	53.1	5.81	1	A
Aroclor 1260	ND		ug/kg	53.1	9.81	1	A
Aroclor 1262	ND		ug/kg	53.1	6.74	1	A
Aroclor 1268	ND		ug/kg	53.1	5.50	1	A
PCBs, Total	ND		ug/kg	53.1	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 08:50
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.0	4.53	1	A
Aroclor 1221	ND		ug/kg	51.0	5.11	1	A
Aroclor 1232	ND		ug/kg	51.0	10.8	1	A
Aroclor 1242	ND		ug/kg	51.0	6.88	1	A
Aroclor 1248	ND		ug/kg	51.0	7.65	1	A
Aroclor 1254	ND		ug/kg	51.0	5.58	1	A
Aroclor 1260	ND		ug/kg	51.0	9.43	1	A
Aroclor 1262	ND		ug/kg	51.0	6.48	1	A
Aroclor 1268	ND		ug/kg	51.0	5.28	1	A
PCBs, Total	ND		ug/kg	51.0	4.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:22
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 08:58
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.3	4.64	1	A
Aroclor 1221	ND		ug/kg	52.3	5.24	1	A
Aroclor 1232	ND		ug/kg	52.3	11.1	1	A
Aroclor 1242	ND		ug/kg	52.3	7.05	1	A
Aroclor 1248	ND		ug/kg	52.3	7.84	1	A
Aroclor 1254	ND		ug/kg	52.3	5.72	1	A
Aroclor 1260	ND		ug/kg	52.3	9.66	1	A
Aroclor 1262	ND		ug/kg	52.3	6.64	1	A
Aroclor 1268	ND		ug/kg	52.3	5.42	1	A
PCBs, Total	ND		ug/kg	52.3	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	93		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:30
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 09:06
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.1	4.62	1	A
Aroclor 1221	ND		ug/kg	52.1	5.22	1	A
Aroclor 1232	ND		ug/kg	52.1	11.0	1	A
Aroclor 1242	ND		ug/kg	52.1	7.02	1	A
Aroclor 1248	ND		ug/kg	52.1	7.81	1	A
Aroclor 1254	ND		ug/kg	52.1	5.70	1	A
Aroclor 1260	ND		ug/kg	52.1	9.63	1	A
Aroclor 1262	ND		ug/kg	52.1	6.62	1	A
Aroclor 1268	ND		ug/kg	52.1	5.40	1	A
PCBs, Total	ND		ug/kg	52.1	4.62	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 09:14
Analyst: MEO
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.4	4.48	1	A
Aroclor 1221	ND		ug/kg	50.4	5.06	1	A
Aroclor 1232	ND		ug/kg	50.4	10.7	1	A
Aroclor 1242	ND		ug/kg	50.4	6.80	1	A
Aroclor 1248	ND		ug/kg	50.4	7.57	1	A
Aroclor 1254	ND		ug/kg	50.4	5.52	1	A
Aroclor 1260	ND		ug/kg	50.4	9.32	1	A
Aroclor 1262	ND		ug/kg	50.4	6.41	1	A
Aroclor 1268	ND		ug/kg	50.4	5.23	1	A
PCBs, Total	ND		ug/kg	50.4	4.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/07/23 09:22
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 11:02
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

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	8.15	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	6.90	1	A
Aroclor 1268	ND		ug/kg	54.4	5.63	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	77		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/16/23 11:38
Analyst: ENT

Extraction Method: EPA 3510C
Extraction Date: 09/15/23 22:17
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/23

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	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/07/23 07:22
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3665A
Cleanup Date: 09/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1824077-1						
Aroclor 1016	ND		ug/kg	46.3	4.11	A
Aroclor 1221	ND		ug/kg	46.3	4.64	A
Aroclor 1232	ND		ug/kg	46.3	9.81	A
Aroclor 1242	ND		ug/kg	46.3	6.24	A
Aroclor 1248	ND		ug/kg	46.3	6.94	A
Aroclor 1254	ND		ug/kg	46.3	5.06	A
Aroclor 1260	ND		ug/kg	46.3	8.56	A
Aroclor 1262	ND		ug/kg	46.3	5.88	A
Aroclor 1268	ND		ug/kg	46.3	4.80	A
PCBs, Total	ND		ug/kg	46.3	4.11	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	101		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/16/23 10:51
Analyst: ENT

Extraction Method: EPA 3510C
Extraction Date: 09/15/23 19:29
Cleanup Method: EPA 3665A
Cleanup Date: 09/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 10 Batch: WG1828115-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1824077-2 WG1824077-3									
Aroclor 1016	90		101		40-140	12		50	A
Aroclor 1260	89		99		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		95		30-150	A
Decachlorobiphenyl	92		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		99		30-150	B
Decachlorobiphenyl	99		111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 10 Batch: WG1828115-2 WG1828115-3									
Aroclor 1016	67		67		40-140	1		50	A
Aroclor 1260	67		66		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	A
Decachlorobiphenyl	79		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		69		30-150	B
Decachlorobiphenyl	78		75		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*	*Column*
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824077-4 WG1824077-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)													
Aroclor 1016	ND	325	285	88		280	90		40-140	2		50	A
Aroclor 1260	ND	325	268	83		253	81		40-140	6		50	A

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	89		88		30-150	A
Decachlorobiphenyl	88		86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		92		30-150	B
Decachlorobiphenyl	94		94		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/08/23 12:09
Analyst: AKM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/07/23 22:07
Cleanup Method: EPA 3620B
Cleanup Date: 09/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.320	1	A
Lindane	ND		ug/kg	0.680	0.304	1	A
Alpha-BHC	ND		ug/kg	0.680	0.193	1	A
Beta-BHC	ND		ug/kg	1.63	0.619	1	A
Heptachlor	ND		ug/kg	0.816	0.366	1	A
Aldrin	ND		ug/kg	1.63	0.574	1	A
Heptachlor epoxide	ND		ug/kg	3.06	0.918	1	A
Endrin	ND		ug/kg	0.680	0.279	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.714	1	A
Endrin ketone	ND		ug/kg	1.63	0.420	1	A
Dieldrin	ND		ug/kg	1.02	0.510	1	A
4,4'-DDE	ND		ug/kg	1.63	0.377	1	A
4,4'-DDD	ND		ug/kg	1.63	0.582	1	A
4,4'-DDT	ND		ug/kg	1.63	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.385	1	A
Endosulfan II	ND		ug/kg	1.63	0.545	1	A
Endosulfan sulfate	ND		ug/kg	0.680	0.324	1	A
Methoxychlor	ND		ug/kg	3.06	0.952	1	A
Toxaphene	ND		ug/kg	30.6	8.57	1	A
cis-Chlordane	ND		ug/kg	2.04	0.568	1	A
trans-Chlordane	ND		ug/kg	2.04	0.538	1	A
Chlordane	ND		ug/kg	13.6	5.40	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
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	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:23
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 14:55
Analyst: AKM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

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	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	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	0.698	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.733	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	IP	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	B
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	0.698	0.332	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	5.55	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:23
Date Received: 09/05/23
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	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 21:01
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.338	1	A
Lindane	ND		ug/kg	0.720	0.322	1	A
Alpha-BHC	ND		ug/kg	0.720	0.204	1	A
Beta-BHC	ND		ug/kg	1.73	0.655	1	A
Heptachlor	ND		ug/kg	0.864	0.387	1	A
Aldrin	ND		ug/kg	1.73	0.608	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.972	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	0.399	1	A
4,4'-DDD	ND		ug/kg	1.73	0.616	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	0.577	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	9.07	1	A
cis-Chlordane	ND		ug/kg	2.16	0.602	1	A
trans-Chlordane	ND		ug/kg	2.16	0.570	1	A
Chlordane	ND		ug/kg	14.4	5.72	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:45
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 21:13
Analyst: JAG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

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	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		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	8.97	1	A
cis-Chlordane	ND		ug/kg	2.14	0.595	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:22
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 21:25
Analyst: JAG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.320	1	A
Lindane	ND		ug/kg	0.682	0.305	1	A
Alpha-BHC	ND		ug/kg	0.682	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.620	1	A
Heptachlor	ND		ug/kg	0.818	0.367	1	A
Aldrin	ND		ug/kg	1.64	0.576	1	A
Heptachlor epoxide	ND		ug/kg	3.07	0.920	1	A
Endrin	ND		ug/kg	0.682	0.280	1	A
Endrin aldehyde	ND		ug/kg	2.04	0.716	1	A
Endrin ketone	ND		ug/kg	1.64	0.421	1	A
Dieldrin	ND		ug/kg	1.02	0.511	1	A
4,4'-DDE	ND		ug/kg	1.64	0.378	1	A
4,4'-DDD	ND		ug/kg	1.64	0.584	1	A
4,4'-DDT	ND		ug/kg	1.64	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.386	1	A
Endosulfan II	ND		ug/kg	1.64	0.547	1	A
Endosulfan sulfate	ND		ug/kg	0.682	0.324	1	A
Methoxychlor	ND		ug/kg	3.07	0.954	1	A
Toxaphene	ND		ug/kg	30.7	8.59	1	A
cis-Chlordane	ND		ug/kg	2.04	0.570	1	A
trans-Chlordane	ND		ug/kg	2.04	0.540	1	A
Chlordane	ND		ug/kg	13.6	5.42	1	A

Project Name: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05 Date Collected: 09/05/23 11:22

Client ID: EP-07 (5'BGS) Date Received: 09/05/23

Sample Location: 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	60		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:30
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 21:37
Analyst: JAG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.966	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.751	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	ND		ug/kg	1.72	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.15	0.598	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.3	5.69	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 21:50
Analyst: JAG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.326	1	A
Lindane	ND		ug/kg	0.693	0.310	1	A
Alpha-BHC	ND		ug/kg	0.693	0.197	1	A
Beta-BHC	ND		ug/kg	1.66	0.631	1	A
Heptachlor	ND		ug/kg	0.832	0.373	1	A
Aldrin	ND		ug/kg	1.66	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.936	1	A
Endrin	ND		ug/kg	0.693	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.520	1	A
4,4'-DDE	ND		ug/kg	1.66	0.385	1	A
4,4'-DDD	ND		ug/kg	1.66	0.594	1	A
4,4'-DDT	ND		ug/kg	1.66	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.393	1	A
Endosulfan II	ND		ug/kg	1.66	0.556	1	A
Endosulfan sulfate	ND		ug/kg	0.693	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.971	1	A
Toxaphene	ND		ug/kg	31.2	8.74	1	A
cis-Chlordane	ND		ug/kg	2.08	0.580	1	A
trans-Chlordane	ND		ug/kg	2.08	0.549	1	A
Chlordane	ND		ug/kg	13.9	5.51	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 13:25
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 00:00
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/07/23 22:02
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.710	0.317	1	A
Alpha-BHC	ND		ug/kg	0.710	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.852	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.958	1	A
Endrin	ND		ug/kg	0.710	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.745	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	1.70	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.569	1	A
Endosulfan sulfate	ND		ug/kg	0.710	0.338	1	A
Methoxychlor	ND		ug/kg	3.19	0.993	1	A
Toxaphene	ND		ug/kg	31.9	8.94	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: SA 101 E 150TH **Lab Number:** L2351329

Project Number: 41.0163097.00 **Report Date:** 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08 Date Collected: 09/05/23 00:00

Client ID: FD-2 2023-09-05 (5'BGS) Date Received: 09/05/23

Sample Location: 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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/07/23 16:05
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:11

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Date Collected: 09/05/23 12:40
Date Received: 09/05/23
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	59		30-150	A
Decachlorobiphenyl	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/07/23 13:38
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-08 Batch: WG1824074-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.772	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.965	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.9	5.11	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/07/23 13:38
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 09/06/23 08:51
Cleanup Method: EPA 3620B
Cleanup Date: 09/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02-08 Batch: WG1824074-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/07/23 14:40
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1824412-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/07/23 14:40
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 09/07/23 00:11

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 10 Batch: WG1824412-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/08/23 09:13
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 09/07/23 16:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1824844-1						
Delta-BHC	ND		ug/kg	1.56	0.306	A
Lindane	ND		ug/kg	0.651	0.291	A
Alpha-BHC	ND		ug/kg	0.651	0.185	A
Beta-BHC	ND		ug/kg	1.56	0.592	A
Heptachlor	ND		ug/kg	0.781	0.350	A
Aldrin	ND		ug/kg	1.56	0.550	A
Heptachlor epoxide	ND		ug/kg	2.93	0.879	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.684	A
Endrin ketone	ND		ug/kg	1.56	0.402	A
Dieldrin	ND		ug/kg	0.976	0.488	A
4,4'-DDE	ND		ug/kg	1.56	0.361	A
4,4'-DDD	ND		ug/kg	1.56	0.557	A
4,4'-DDT	ND		ug/kg	1.56	1.26	A
Endosulfan I	ND		ug/kg	1.56	0.369	A
Endosulfan II	ND		ug/kg	1.56	0.522	A
Endosulfan sulfate	ND		ug/kg	0.651	0.310	A
Methoxychlor	ND		ug/kg	2.93	0.911	A
Toxaphene	ND		ug/kg	29.3	8.20	A
cis-Chlordane	ND		ug/kg	1.95	0.544	A
trans-Chlordane	ND		ug/kg	1.95	0.516	A
Chlordane	ND		ug/kg	13.0	5.18	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/08/23 09:13
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 09/07/23 16:01
Cleanup Method: EPA 3620B
Cleanup Date: 09/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1824844-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-08 Batch: WG1824074-2 WG1824074-3									
Delta-BHC	106		103		30-150	3		30	A
Lindane	96		90		30-150	6		30	A
Alpha-BHC	96		90		30-150	6		30	A
Beta-BHC	103		103		30-150	0		30	A
Heptachlor	98		96		30-150	2		30	A
Aldrin	101		89		30-150	13		30	A
Heptachlor epoxide	90		86		30-150	5		30	A
Endrin	104		99		30-150	5		30	A
Endrin aldehyde	70		72		30-150	3		30	A
Endrin ketone	96		99		30-150	3		30	A
Dieldrin	111		105		30-150	6		30	A
4,4'-DDE	103		95		30-150	8		30	A
4,4'-DDD	110		105		30-150	5		30	A
4,4'-DDT	108		101		30-150	7		30	A
Endosulfan I	101		93		30-150	8		30	A
Endosulfan II	101		99		30-150	2		30	A
Endosulfan sulfate	84		88		30-150	5		30	A
Methoxychlor	106		103		30-150	3		30	A
cis-Chlordane	88		82		30-150	7		30	A
trans-Chlordane	105		101		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02-08 Batch: WG1824074-2 WG1824074-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		88		30-150	A
Decachlorobiphenyl	85		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		93		30-150	B
Decachlorobiphenyl	81		91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1824412-2 WG1824412-3									
Delta-BHC	70		67		30-150	5		20	A
Lindane	75		71		30-150	5		20	A
Alpha-BHC	72		68		30-150	7		20	A
Beta-BHC	76		71		30-150	7		20	A
Heptachlor	73		69		30-150	6		20	A
Aldrin	70		66		30-150	5		20	A
Heptachlor epoxide	73		67		30-150	9		20	A
Endrin	73		67		30-150	8		20	A
Endrin aldehyde	63		58		30-150	8		20	A
Endrin ketone	81		76		30-150	7		20	A
Dieldrin	77		72		30-150	6		20	A
4,4'-DDE	76		70		30-150	7		20	A
4,4'-DDD	80		75		30-150	6		20	A
4,4'-DDT	77		73		30-150	6		20	A
Endosulfan I	73		68		30-150	7		20	A
Endosulfan II	75		70		30-150	6		20	A
Endosulfan sulfate	69		66		30-150	5		20	A
Methoxychlor	78		72		30-150	7		20	A
cis-Chlordane	66		61		30-150	8		20	A
trans-Chlordane	77		73		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 10 Batch: WG1824412-2 WG1824412-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		62		30-150	A
Decachlorobiphenyl	81		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		61		30-150	B
Decachlorobiphenyl	91		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1824844-2 WG1824844-3									
Delta-BHC	71		85		30-150	18		30	A
Lindane	66		79		30-150	18		30	A
Alpha-BHC	66		79		30-150	18		30	A
Beta-BHC	70		82		30-150	16		30	A
Heptachlor	70		82		30-150	16		30	A
Aldrin	63		75		30-150	17		30	A
Heptachlor epoxide	57		67		30-150	16		30	A
Endrin	65		76		30-150	16		30	A
Endrin aldehyde	46		55		30-150	18		30	A
Endrin ketone	66		78		30-150	17		30	A
Dieldrin	69		82		30-150	17		30	A
4,4'-DDE	64		76		30-150	17		30	A
4,4'-DDD	68		81		30-150	17		30	A
4,4'-DDT	67		80		30-150	18		30	A
Endosulfan I	64		75		30-150	16		30	A
Endosulfan II	66		78		30-150	17		30	A
Endosulfan sulfate	57		68		30-150	18		30	A
Methoxychlor	63		77		30-150	20		30	A
cis-Chlordane	57		67		30-150	16		30	A
trans-Chlordane	68		80		30-150	16		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1824844-2 WG1824844-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		76		30-150	A
Decachlorobiphenyl	63		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		79		30-150	B
Decachlorobiphenyl	64		72		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1824844-4 WG1824844-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)													
Delta-BHC	ND	34.4	34.2	99		27.3	77		30-150	22		50	A
Lindane	ND	34.4	31.2	91		25.8	73		30-150	19		50	A
Alpha-BHC	ND	34.4	31.2	91		25.7	73		30-150	19		50	A
Beta-BHC	ND	34.4	30.0	87		18.8	53		30-150	46		50	A
Heptachlor	ND	34.4	33.9	99		29.0	82		30-150	16		50	A
Aldrin	ND	34.4	30.2	88		25.2	72		30-150	18		50	A
Heptachlor epoxide	ND	34.4	27.4	80		22.7	64		30-150	19		50	A
Endrin	ND	34.4	32.3	94		29.2	83		30-150	10		50	A
Endrin aldehyde	ND	34.4	21.9	64		17.3	49		30-150	23		50	A
Endrin ketone	ND	34.4	32.6	95		31.1	88		30-150	5		50	A
Dieldrin	ND	34.4	34.5	100		26.6	75		30-150	26		50	A
4,4'-DDE	ND	34.4	31.4	91		24.8	70		30-150	23		50	A
4,4'-DDD	ND	34.4	34.5	100		28.9	82		30-150	18		50	A
4,4'-DDT	ND	34.4	34.4	100		31.0	88		30-150	10		50	A
Endosulfan I	ND	34.4	31.0	90		24.8	70		30-150	22		50	A
Endosulfan II	ND	34.4	31.9	93		26.9	76		30-150	17		50	A
Endosulfan sulfate	ND	34.4	26.0	76		18.4	52		30-150	34		50	A
Methoxychlor	ND	34.4	32.2	94		29.8	85		30-150	8		50	A
cis-Chlordane	ND	34.4	26.5	77		21.3	60		30-150	22		50	A
trans-Chlordane	ND	34.4	34.0	99		27.9	79		30-150	20		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1824844-4 WG1824844-5 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		69		30-150	A
Decachlorobiphenyl	79		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		68		30-150	B
Decachlorobiphenyl	74		73		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 09:55
Date Received: 09/05/23
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	5730		mg/kg	8.28	2.24	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.14	0.315	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Arsenic, Total	2.34		mg/kg	0.828	0.172	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Barium, Total	33.6		mg/kg	0.828	0.144	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.302	J	mg/kg	0.414	0.027	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.828	0.081	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Calcium, Total	1850		mg/kg	8.28	2.90	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Chromium, Total	9.61		mg/kg	0.828	0.080	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.68		mg/kg	1.66	0.137	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Copper, Total	11.7		mg/kg	0.828	0.214	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Iron, Total	9780		mg/kg	4.14	0.748	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Lead, Total	29.1		mg/kg	4.14	0.222	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Magnesium, Total	1940		mg/kg	8.28	1.28	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Manganese, Total	294		mg/kg	0.828	0.132	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Mercury, Total	0.079	J	mg/kg	0.083	0.054	1	09/12/23 23:16	09/18/23 11:36	EPA 7471B	1,7471B	MJR
Nickel, Total	8.60		mg/kg	2.07	0.200	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Potassium, Total	577		mg/kg	207	11.9	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.66	0.214	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.414	0.234	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Sodium, Total	122	J	mg/kg	166	2.61	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Thallium, Total	0.419	J	mg/kg	1.66	0.261	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Vanadium, Total	12.6		mg/kg	0.828	0.168	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF
Zinc, Total	34.4		mg/kg	4.14	0.243	2	09/12/23 22:33	09/13/23 15:59	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:23
Date Received: 09/05/23
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	4710		mg/kg	8.30	2.24	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.15	0.315	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.18		mg/kg	0.830	0.172	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Barium, Total	33.0		mg/kg	0.830	0.144	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.252	J	mg/kg	0.415	0.027	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.830	0.081	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Calcium, Total	377		mg/kg	8.30	2.90	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Chromium, Total	6.75		mg/kg	0.830	0.080	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Cobalt, Total	2.77		mg/kg	1.66	0.138	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Copper, Total	5.41		mg/kg	0.830	0.214	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Iron, Total	7780		mg/kg	4.15	0.749	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Lead, Total	3.21	J	mg/kg	4.15	0.222	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Magnesium, Total	1380		mg/kg	8.30	1.28	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Manganese, Total	258		mg/kg	0.830	0.132	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.077	0.050	1	09/12/23 23:16	09/18/23 12:06	EPA 7471B	1,7471B	MJR
Nickel, Total	6.33		mg/kg	2.07	0.201	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Potassium, Total	435		mg/kg	207	11.9	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.66	0.214	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.415	0.235	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Sodium, Total	173		mg/kg	166	2.61	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.66	0.261	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Vanadium, Total	8.81		mg/kg	0.830	0.168	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF
Zinc, Total	11.9		mg/kg	4.15	0.243	2	09/12/23 22:33	09/13/23 15:49	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 10:45
Date Received: 09/05/23
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	7560		mg/kg	8.71	2.35	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.36	0.331	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.49		mg/kg	0.871	0.181	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Barium, Total	29.8		mg/kg	0.871	0.152	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.299	J	mg/kg	0.436	0.029	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.871	0.085	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Calcium, Total	623		mg/kg	8.71	3.05	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Chromium, Total	14.4		mg/kg	0.871	0.084	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.34		mg/kg	1.74	0.145	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Copper, Total	6.18		mg/kg	0.871	0.225	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Iron, Total	10400		mg/kg	4.36	0.787	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Lead, Total	4.50		mg/kg	4.36	0.233	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Magnesium, Total	1520		mg/kg	8.71	1.34	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Manganese, Total	226		mg/kg	0.871	0.138	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.081	0.053	1	09/12/23 23:16	09/18/23 12:09	EPA 7471B	1,7471B	MJR
Nickel, Total	8.69		mg/kg	2.18	0.211	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Potassium, Total	499		mg/kg	218	12.5	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.74	0.225	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.436	0.246	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Sodium, Total	166	J	mg/kg	174	2.74	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Thallium, Total	0.316	J	mg/kg	1.74	0.274	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Vanadium, Total	12.4		mg/kg	0.871	0.177	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF
Zinc, Total	14.9		mg/kg	4.36	0.255	2	09/12/23 22:33	09/13/23 15:52	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:02
Date Received: 09/05/23
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	6790		mg/kg	8.66	2.34	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.33	0.329	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.35		mg/kg	0.866	0.180	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Barium, Total	26.9		mg/kg	0.866	0.151	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.291	J	mg/kg	0.433	0.029	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.866	0.085	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Calcium, Total	598		mg/kg	8.66	3.03	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Chromium, Total	10.5		mg/kg	0.866	0.083	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.30		mg/kg	1.73	0.144	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Copper, Total	5.47		mg/kg	0.866	0.223	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Iron, Total	9740		mg/kg	4.33	0.782	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Lead, Total	4.47		mg/kg	4.33	0.232	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Magnesium, Total	1530		mg/kg	8.66	1.33	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Manganese, Total	398		mg/kg	0.866	0.138	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.075	0.049	1	09/12/23 23:16	09/18/23 12:12	EPA 7471B	1,7471B	MJR
Nickel, Total	7.66		mg/kg	2.16	0.210	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Potassium, Total	396		mg/kg	216	12.5	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.73	0.223	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.433	0.245	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Sodium, Total	76.1	J	mg/kg	173	2.73	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.73	0.273	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Vanadium, Total	11.9		mg/kg	0.866	0.176	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF
Zinc, Total	14.6		mg/kg	4.33	0.254	2	09/12/23 22:33	09/13/23 15:56	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:22
Date Received: 09/05/23
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	5340		mg/kg	8.48	2.29	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.24	0.322	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.30		mg/kg	0.848	0.176	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Barium, Total	18.9		mg/kg	0.848	0.148	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.234	J	mg/kg	0.424	0.028	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.502	J	mg/kg	0.848	0.083	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Calcium, Total	596		mg/kg	8.48	2.97	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Chromium, Total	12.3		mg/kg	0.848	0.081	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Cobalt, Total	2.58		mg/kg	1.70	0.141	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Copper, Total	8.03		mg/kg	0.848	0.219	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Iron, Total	8480		mg/kg	4.24	0.766	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Lead, Total	3.80	J	mg/kg	4.24	0.227	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Magnesium, Total	1340		mg/kg	8.48	1.31	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Manganese, Total	230		mg/kg	0.848	0.135	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.074	0.049	1	09/12/23 23:16	09/18/23 12:16	EPA 7471B	1,7471B	MJR
Nickel, Total	6.52		mg/kg	2.12	0.205	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Potassium, Total	366		mg/kg	212	12.2	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.424	0.240	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Sodium, Total	120	J	mg/kg	170	2.67	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.70	0.267	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Vanadium, Total	8.02		mg/kg	0.848	0.172	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF
Zinc, Total	15.5		mg/kg	4.24	0.248	2	09/12/23 22:33	09/13/23 16:31	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	5500		mg/kg	8.53	2.30	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.27	0.324	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.41		mg/kg	0.853	0.177	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Barium, Total	22.7		mg/kg	0.853	0.148	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.318	J	mg/kg	0.427	0.028	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.853	0.084	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Calcium, Total	603		mg/kg	8.53	2.99	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Chromium, Total	6.88		mg/kg	0.853	0.082	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Cobalt, Total	2.90		mg/kg	1.71	0.142	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Copper, Total	6.29		mg/kg	0.853	0.220	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Iron, Total	8590		mg/kg	4.27	0.770	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Lead, Total	5.83		mg/kg	4.27	0.229	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Magnesium, Total	1570		mg/kg	8.53	1.31	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Manganese, Total	295		mg/kg	0.853	0.136	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.084	0.055	1	09/12/23 23:16	09/18/23 12:19	EPA 7471B	1,7471B	MJR
Nickel, Total	7.08		mg/kg	2.13	0.206	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Potassium, Total	481		mg/kg	213	12.3	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.71	0.220	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.427	0.241	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Sodium, Total	298		mg/kg	171	2.69	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.71	0.269	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Vanadium, Total	9.48		mg/kg	0.853	0.173	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF
Zinc, Total	15.2		mg/kg	4.27	0.250	2	09/12/23 22:33	09/13/23 16:34	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 13:25
Date Received: 09/05/23
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	7240		mg/kg	8.46	2.28	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.23	0.321	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.62		mg/kg	0.846	0.176	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Barium, Total	26.9		mg/kg	0.846	0.147	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.354	J	mg/kg	0.423	0.028	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.846	0.083	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Calcium, Total	716		mg/kg	8.46	2.96	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Chromium, Total	8.91		mg/kg	0.846	0.081	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.28		mg/kg	1.69	0.140	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Copper, Total	6.80		mg/kg	0.846	0.218	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Iron, Total	9900		mg/kg	4.23	0.764	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Lead, Total	5.54		mg/kg	4.23	0.227	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Magnesium, Total	1620		mg/kg	8.46	1.30	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Manganese, Total	328		mg/kg	0.846	0.134	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.085	0.056	1	09/12/23 23:16	09/18/23 12:22	EPA 7471B	1,7471B	MJR
Nickel, Total	8.66		mg/kg	2.11	0.205	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Potassium, Total	490		mg/kg	211	12.2	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.69	0.218	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.423	0.239	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Sodium, Total	97.8	J	mg/kg	169	2.66	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.69	0.266	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Vanadium, Total	10.9		mg/kg	0.846	0.172	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF
Zinc, Total	15.4		mg/kg	4.23	0.248	2	09/12/23 22:33	09/13/23 16:37	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/05/23 00:00
Date Received: 09/05/23
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	6930		mg/kg	8.52	2.30	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.26	0.324	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.36		mg/kg	0.852	0.177	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Barium, Total	24.6		mg/kg	0.852	0.148	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.288	J	mg/kg	0.426	0.028	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.852	0.084	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Calcium, Total	580		mg/kg	8.52	2.98	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Chromium, Total	10.6		mg/kg	0.852	0.082	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.32		mg/kg	1.70	0.141	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Copper, Total	5.27		mg/kg	0.852	0.220	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Iron, Total	9640		mg/kg	4.26	0.769	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Lead, Total	4.22	J	mg/kg	4.26	0.228	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Magnesium, Total	1480		mg/kg	8.52	1.31	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Manganese, Total	234		mg/kg	0.852	0.135	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.081	0.053	1	09/12/23 23:16	09/18/23 12:26	EPA 7471B	1,7471B	MJR
Nickel, Total	7.44		mg/kg	2.13	0.206	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Potassium, Total	387		mg/kg	213	12.3	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.70	0.220	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.426	0.241	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Sodium, Total	73.9	J	mg/kg	170	2.68	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.70	0.268	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Vanadium, Total	11.7		mg/kg	0.852	0.173	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF
Zinc, Total	14.6		mg/kg	4.26	0.250	2	09/12/23 22:33	09/13/23 16:41	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-10
Client ID: FB 2023-09-05
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 09/05/23 12:40
Date Received: 09/05/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00516	J	mg/l	0.0100	0.00327	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Barium, Total	0.00058		mg/l	0.00050	0.00017	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Calcium, Total	0.0952	J	mg/l	0.100	0.0394	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Chromium, Total	0.00021	J	mg/l	0.00100	0.00017	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/06/23 07:55	09/16/23 15:03	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Sodium, Total	0.317		mg/l	0.100	0.0293	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/06/23 07:06	09/06/23 19:59	EPA 3005A	1,6020B	WKP

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

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): 10 Batch: WG1823975-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/06/23 07:06	09/06/23 19:54	1,6020B	WKP

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): 10 Batch: WG1823976-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/06/23 07:55	09/16/23 14:47	1,7470A	GMG

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

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): 01-08 Batch: WG1824821-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Iron, Total	ND		mg/kg	2.00	0.361	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/12/23 22:33	09/13/23 15:42	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2351329
Report Date: 09/28/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1824822-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/12/23 23:16	09/18/23 11:29	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1823975-2								
Aluminum, Total	93		-		80-120	-		
Antimony, Total	82		-		80-120	-		
Arsenic, Total	108		-		80-120	-		
Barium, Total	101		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	97		-		80-120	-		
Cobalt, Total	99		-		80-120	-		
Copper, Total	105		-		80-120	-		
Iron, Total	98		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	94		-		80-120	-		
Manganese, Total	98		-		80-120	-		
Nickel, Total	96		-		80-120	-		
Potassium, Total	99		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	106		-		80-120	-		
Sodium, Total	94		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	94		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1823975-2					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 10 Batch: WG1823976-2					
Mercury, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1824821-2 SRM Lot Number: D119-540					
Aluminum, Total	80	-	48-152	-	
Antimony, Total	133	-	10-190	-	
Arsenic, Total	101	-	83-117	-	
Barium, Total	106	-	82-118	-	
Beryllium, Total	107	-	83-117	-	
Cadmium, Total	90	-	82-117	-	
Calcium, Total	106	-	81-118	-	
Chromium, Total	99	-	82-119	-	
Cobalt, Total	98	-	83-117	-	
Copper, Total	97	-	84-116	-	
Iron, Total	98	-	60-140	-	
Lead, Total	103	-	82-118	-	
Magnesium, Total	89	-	76-124	-	
Manganese, Total	104	-	82-118	-	
Nickel, Total	97	-	82-117	-	
Potassium, Total	93	-	70-130	-	
Selenium, Total	102	-	79-121	-	
Silver, Total	100	-	80-120	-	
Sodium, Total	109	-	74-126	-	
Thallium, Total	101	-	81-119	-	
Vanadium, Total	95	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1824821-2 SRM Lot Number: D119-540					
Zinc, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1824822-2 SRM Lot Number: D119-540					
Mercury, Total	105	-	73-127	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

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): 10 QC Batch ID: WG1823975-3 QC Sample: L2351222-01 Client ID: MS Sample												
Aluminum, Total	0.0442	2	2.11	103		-	-		75-125	-		20
Antimony, Total	0.00052J	0.5	0.4757	95		-	-		75-125	-		20
Arsenic, Total	0.00098	0.12	0.1212	100		-	-		75-125	-		20
Barium, Total	0.03041	2	1.976	97		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.05104	102		-	-		75-125	-		20
Cadmium, Total	0.00011J	0.053	0.05371	101		-	-		75-125	-		20
Calcium, Total	15.4	10	26.2	108		-	-		75-125	-		20
Chromium, Total	0.00037J	0.2	0.1955	98		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.4839	97		-	-		75-125	-		20
Copper, Total	ND	0.25	0.2527	101		-	-		75-125	-		20
Iron, Total	6.99	1	8.01	102		-	-		75-125	-		20
Lead, Total	ND	0.53	0.5289	100		-	-		75-125	-		20
Magnesium, Total	1.50	10	11.3	98		-	-		75-125	-		20
Manganese, Total	1.534	0.5	2.047	103		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.4758	95		-	-		75-125	-		20
Potassium, Total	2.47	10	12.7	102		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.110	92		-	-		75-125	-		20
Silver, Total	ND	0.05	0.05217	104		-	-		75-125	-		20
Sodium, Total	18.9	10	29.7	108		-	-		75-125	-		20
Thallium, Total	ND	0.12	0.1172	98		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.4861	97		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

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): 10 QC Batch ID: WG1823975-3 QC Sample: L2351222-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4981	100	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1823976-3 QC Sample: L2351222-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00486	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 (5'BGS)	QC Batch ID: WG1824821-3					WG1824821-4	QC Sample: L2351329-01			Client ID: EP-39	
Aluminum, Total	5730	166	5750	**12**	Q	6440	**428**	Q	75-125	11	20
Antimony, Total	ND	41.5	31.6	76		33.9	82		75-125	7	20
Arsenic, Total	2.34	9.96	11.0	87		12.0	97		75-125	9	20
Barium, Total	33.6	166	194	97		199	100		75-125	3	20
Beryllium, Total	0.302J	4.15	4.47	108		4.61	111		75-125	3	20
Cadmium, Total	ND	4.4	3.81	86		3.98	90		75-125	4	20
Calcium, Total	1850	830	2810	116		2640	95		75-125	6	20
Chromium, Total	9.61	16.6	24.7	91		25.8	98		75-125	4	20
Cobalt, Total	3.68	41.5	40.7	89		42.5	94		75-125	4	20
Copper, Total	11.7	20.8	29.1	84		31.4	95		75-125	8	20
Iron, Total	9780	83	8860	**0**	Q	9590	**0**	Q	75-125	8	20
Lead, Total	29.1	44	64.8	81		68.0	88		75-125	5	20
Magnesium, Total	1940	830	2520	**70**	Q	2800	104		75-125	11	20
Manganese, Total	294	41.5	323	**70**	Q	362	**164**	Q	75-125	11	20
Nickel, Total	8.60	41.5	44.1	86		47.1	93		75-125	7	20
Potassium, Total	577	830	1340	92		1390	98		75-125	4	20
Selenium, Total	ND	9.96	8.81	88		9.63	97		75-125	9	20
Silver, Total	ND	4.15	3.87	93		4.21	102		75-125	8	20
Sodium, Total	122J	830	966	116		1000	121		75-125	3	20
Thallium, Total	0.419J	9.96	9.11	91		9.83	99		75-125	8	20
Vanadium, Total	12.6	41.5	48.2	86		51.3	93		75-125	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 (5'BGS)	QC Batch ID: WG1824821-3				WG1824821-4	QC Sample: L2351329-01		Client ID: EP-39		
Zinc, Total	34.4	41.5	66.5	77	70.1	86		75-125	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 (5'BGS)	QC Batch ID: WG1824822-3				WG1824822-4	QC Sample: L2351329-01		Client ID: EP-39		
Mercury, Total	0.079J	1.58	1.91	120	1.84	**123**	Q	80-120	4	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1823975-4 QC Sample: L2351222-01 Client ID: DUP Sample						
Aluminum, Total	0.0442	0.0434	mg/l	2		20
Antimony, Total	0.00052J	0.00086J	mg/l	NC		20
Arsenic, Total	0.00098	0.00124	mg/l	**24**	Q	20
Barium, Total	0.03041	0.03085	mg/l	1		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	0.00011J	0.00011J	mg/l	NC		20
Calcium, Total	15.4	15.5	mg/l	1		20
Chromium, Total	0.00037J	0.00044J	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	0.00044J	mg/l	NC		20
Iron, Total	6.99	7.18	mg/l	3		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	1.50	1.56	mg/l	4		20
Manganese, Total	1.534	1.567	mg/l	2		20
Nickel, Total	ND	ND	mg/l	NC		20
Potassium, Total	2.47	2.53	mg/l	2		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	18.9	19.8	mg/l	5		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1823975-4 QC Sample: L2351222-01 Client ID: DUP Sample					
Thallium, Total	ND	0.00031J	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 10 QC Batch ID: WG1823976-4 QC Sample: L2351222-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2351329
Report Date: 09/28/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1824821-6 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)						
Aluminum, Total	5730	6160	mg/kg	8		20
Barium, Total	33.6	36.5	mg/kg	9		20
Calcium, Total	1850	1950	mg/kg	5		20
Iron, Total	9780	10600	mg/kg	8		20
Magnesium, Total	1940	1990	mg/kg	3		20
Manganese, Total	294	313	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-01
Client ID: EP-39 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 09:55
Date Received: 09/05/23
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	92.8		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-02
Client ID: EP-20 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:23
Date Received: 09/05/23
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	92.8		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-03
Client ID: EP-19 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 10:45
Date Received: 09/05/23
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	91.1		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-04
Client ID: EP-16 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:02
Date Received: 09/05/23
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	91.6		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-05
Client ID: EP-07 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:22
Date Received: 09/05/23
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	92.6		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-06
Client ID: EP-06 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 11:30
Date Received: 09/05/23
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	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-07
Client ID: EP-14 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 13:25
Date Received: 09/05/23
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	93.4		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

SAMPLE RESULTS

Lab ID: L2351329-08
Client ID: FD-2 2023-09-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/05/23 00:00
Date Received: 09/05/23
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	90.8		%	0.100	NA	1	-	09/06/23 10:29	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2351329

Report Date: 09/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1824026-1 QC Sample: L2351329-01 Client ID: EP-39 (5'BGS)						
Solids, Total	92.8	93.2	%	0		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2351329-01A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-01A1	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-01A2	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-01B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01B1	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01B2	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01C1	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01C2	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-01D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-01D1	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-01D2	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-01E	Plastic 2oz unpreserved for TS	C	NA		3.3	Y	Absent		TS(7)
L2351329-01F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-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),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2351329-01F1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-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),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2351329-01F2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-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),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2351329-01G	Plastic 8oz unpreserved	C	NA		3.3	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2351329-01H	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-01H1	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-01H2	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14)
L2351329-02A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-02B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-02C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-02D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2351329-02F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-03A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-03B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-03C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-03D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-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)
L2351329-03F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-04A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-04B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-04C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2351329-04D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2351329-04F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-05A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-05B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-05C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-05D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	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),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2351329-05F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-06A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-06B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-06C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-06D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	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),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2351329-06F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-07A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-07B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-07C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-07D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2351329-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	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),PB-TI(180),ZN-TI(180),CU-TI(180),SE-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),CD-TI(180),NA-TI(180),CA-TI(180)
L2351329-07F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-08A	Vial MeOH preserved	B	NA		4.6	Y	Absent		NYTCL-8260HLW(14)
L2351329-08B	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-08C	Vial water preserved	B	NA		4.6	Y	Absent	06-SEP-23 04:28	NYTCL-8260HLW(14)
L2351329-08D	Plastic 120ml unpreserved	B	NA		4.6	Y	Absent		TS(7)
L2351329-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),SB-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),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2351329-08F	Glass 250ml/8oz unpreserved	B	NA		4.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2351329-09A	Plastic 500ml unpreserved	C	NA		3.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2351329-09B	Plastic 950ml unpreserved	C	NA		3.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2351329-09C	Plastic 500ml unpreserved	C	NA		3.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2351329-09D	Plastic 950ml unpreserved	C	NA		3.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2351329-10A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2351329-10B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2351329-10C	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2351329-10D	Plastic 250ml HNO3 preserved	A	<2	<2	3.4	Y	Absent		BA-6020T(180),FE-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),HG-T(28),AG-6020T(180),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2351329-10E	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2351329-10F	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8082-LVI(365)
L2351329-10G	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2351329-10H	Amber 120ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8081(7)
L2351329-10I	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2351329-10J	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2351329-10K	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2351329-10L	Amber 250ml unpreserved	A	7	7	3.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2351329-11A	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)
L2351329-11B	Vial HCl preserved	A	NA		3.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2351329
Report Date: 09/28/23

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: SA 101 E 150TH
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PFAS PARAMETER SUMMARY

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2351329
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GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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REFERENCES

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

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

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

LIMITATION OF LIABILITIES

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 2

Date Rec'd in Lab: 9/6/23

ALPHA Job #: L2351329

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #)
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time
Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

Deliverables
[ ] ASP-A [X] 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
[X] 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)

Sample Specific Comments

Total Bottle

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8082/1/8081	1,4-Dioxane	PFAS 1633			Total Bottle
51329-01	EP-39 (5' bgs)	9/5/23	9:55	S	JN	X	X	X	X	X	X			
	MS-2 EP-39 (5' bgs)		10:04											
↓	MSD-2 EP-39 (5' bgs)		10:10											
02	EP-20 (5' bgs)		10:23											
03	EP-19 (5' bgs)		10:45											
04	EP-16 (5' bgs)		11:02											
05	EP-07 (5' bgs)		11:22											
06	EP-06 (5' bgs)		11:30											
07	EP-14 (5' bgs)		13:25											
08	FD-2 2023-09-05 (5' bgs)	↓	–	↓	↓	↓	↓	↓	↓	↓				

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	V	G	G	G	G	P		
Preservative			A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	9/5/23 1425		9/5/23 1425
	9/5/23 1735		9/5/23 1850
	9/5/23	AAC	9/5 2345
AAC	9/6 0030		9/6/23 0030

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

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

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: 9/6/23

ALPHA Job #: L2351329

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Total Bottle	Sample Specific Comments
51329-09	FB PFAS 2023-09-05	9/5/23	12:35	S	JN						X				
10	FB 2023-09-05	↓	12:40	↓	↓	X	X	X	X	X					
11	TB 2023-09-05	↓	-	↓	↓	X	X	X	X	X	X				

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

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

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

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	9/5/23 1425		9/5/23 1425
	9/6/23 1725		9/5/23 1850
	9/5/23	AAS	9/6 21:45
AAS	9/6 00:30		9/6/23 0030

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

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

ANALYTICAL REPORT

Lab Number:	L2355164
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	10/10/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2355164-01	EP-32 (5'BGS)	SOIL	BRONX, NY	09/20/23 09:15	09/20/23
L2355164-02	EP-36 (5'BGS)	SOIL	BRONX, NY	09/20/23 09:30	09/20/23
L2355164-03	EP-13 (5'BGS)	SOIL	BRONX, NY	09/20/23 09:55	09/20/23
L2355164-04	EP-12 (5'BGS)	SOIL	BRONX, NY	09/20/23 10:23	09/20/23
L2355164-05	EP-08 (5'BGS)	SOIL	BRONX, NY	09/20/23 10:35	09/20/23
L2355164-06	EP-11 (5'BGS)	SOIL	BRONX, NY	09/20/23 10:45	09/20/23
L2355164-07	EP-09 (5'BGS)	SOIL	BRONX, NY	09/20/23 11:00	09/20/23
L2355164-08	EP-15 (5'BGS)	SOIL	BRONX, NY	09/20/23 11:30	09/20/23
L2355164-09	EP-17 (5'BGS)	SOIL	BRONX, NY	09/20/23 11:48	09/20/23
L2355164-10	EP-37 (5'BGS)	SOIL	BRONX, NY	09/20/23 12:05	09/20/23
L2355164-11	FB PFAS 2023-09-20	WATER	BRONX, NY	09/20/23 13:10	09/20/23
L2355164-12	FB 2023-09-20	WATER	BRONX, NY	09/20/23 13:15	09/20/23
L2355164-13	TB 2023-09-20	WATER	BRONX, NY	09/20/23 00:00	09/20/23

Project Name:	SA 101 E 150TH	**Lab Number:**	L2355164
Project Number:	41.0163097.00	**Report Date:**	10/10/23

Case Narrative

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

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

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

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

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

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Case Narrative (continued)

Report Submission

October 10, 2023: This final report includes the results of all requested analyses.

October 05, 2023: This is a preliminary report.

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

Volatile Organics

L2355164-13: The Trip Blank has a result for acetone present above the reporting limit. The sample was re-analyzed and did not confirm the original results. The results of both analyses are reported.

Perfluorinated Alkyl Acids by 1633

L2355164-09, WG1834819-1, and WG1834972-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

The WG1834819-2 LCS recovery, associated with L2355164-11, is above the acceptance criteria for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (170%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

Total Metals

L2355164-01 through -10: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2355164-12: The Field Blank has results for barium and sodium present above the reporting limits. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

The WG1834808 CCB, associated with L2355164-12, has a concentration above the reporting limit for thallium. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required.

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: 10/10/23

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 16:31
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.12	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	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	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	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	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	3.5	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	0.87	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	0.50	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.16	J	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	0.87	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	0.79	1
Acetone	ND		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	3.9	1
2-Butanone	ND		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	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	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	0.16	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	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.87	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.09	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 16:57
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.19	J	ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	83	36.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:55
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 10/01/23 19:20
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	0.21	J	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	0.30	J	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	0.16	J	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	0.13	J	ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.2		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	1.2		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	1.3	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:23
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 17:47
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	0.41	J	ug/kg	0.90	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	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	0.13	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	0.63	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	0.25	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	1.4	0.12	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.8		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	0.65	J	ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	0.65	J	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	0.83	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	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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	0.35	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	4.5	1.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:35
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 18:13
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	1.6		ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.23	1
Tetrachloroethene	0.96		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	0.78		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	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	0.22	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	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	6.1		ug/kg	0.44	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	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	5.8		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	5.8		ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	1.9	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	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	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	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	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	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	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:45
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 18:38
Analyst: AJK
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	0.29	J	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	0.63	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	0.30	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	2.2		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	1.7		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	1.7		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	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 19:03
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	0.51	J	ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.23	1
Tetrachloroethene	5.0		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	1.5		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	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	0.22	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	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	7.2		ug/kg	0.44	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	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	4.6		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	4.6		ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	1.9	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	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	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	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	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:00
Date Received: 09/20/23
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	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	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	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 20:19
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	120	56.	1
1,1-Dichloroethane	280		ug/kg	24	3.5	1
Chloroform	ND		ug/kg	36	3.4	1
Carbon tetrachloride	ND		ug/kg	24	5.6	1
1,2-Dichloropropane	ND		ug/kg	24	3.0	1
Dibromochloromethane	ND		ug/kg	24	3.4	1
1,1,2-Trichloroethane	ND		ug/kg	24	6.5	1
Tetrachloroethene	19		ug/kg	12	4.8	1
Chlorobenzene	ND		ug/kg	12	3.1	1
Trichlorofluoromethane	ND		ug/kg	97	17.	1
1,2-Dichloroethane	ND		ug/kg	24	6.2	1
1,1,1-Trichloroethane	400		ug/kg	12	4.0	1
Bromodichloromethane	ND		ug/kg	12	2.6	1
trans-1,3-Dichloropropene	ND		ug/kg	24	6.6	1
cis-1,3-Dichloropropene	ND		ug/kg	12	3.8	1
1,3-Dichloropropene, Total	ND		ug/kg	12	3.8	1
1,1-Dichloropropene	ND		ug/kg	12	3.9	1
Bromoform	ND		ug/kg	97	6.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	12	4.0	1
Benzene	ND		ug/kg	12	4.0	1
Toluene	ND		ug/kg	24	13.	1
Ethylbenzene	ND		ug/kg	24	3.4	1
Chloromethane	ND		ug/kg	97	23.	1
Bromomethane	22	J	ug/kg	48	14.	1
Vinyl chloride	ND		ug/kg	24	8.1	1
Chloroethane	ND		ug/kg	48	11.	1
1,1-Dichloroethene	22	J	ug/kg	24	5.8	1
trans-1,2-Dichloroethene	15	J	ug/kg	36	3.3	1

Project Name: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08 Date Collected: 09/20/23 11:30

Client ID: EP-15 (5'BGS) Date Received: 09/20/23

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1600		ug/kg	12	3.3	1
1,2-Dichlorobenzene	ND		ug/kg	48	3.5	1
1,3-Dichlorobenzene	ND		ug/kg	48	3.6	1
1,4-Dichlorobenzene	ND		ug/kg	48	4.2	1
Methyl tert butyl ether	ND		ug/kg	48	4.9	1
p/m-Xylene	ND		ug/kg	48	14.	1
o-Xylene	ND		ug/kg	24	7.1	1
Xylenes, Total	ND		ug/kg	24	7.1	1
cis-1,2-Dichloroethene	840		ug/kg	24	4.2	1
1,2-Dichloroethene, Total	860	J	ug/kg	24	3.3	1
Dibromomethane	ND		ug/kg	48	5.8	1
Styrene	ND		ug/kg	24	4.8	1
Dichlorodifluoromethane	ND		ug/kg	240	22.	1
Acetone	ND		ug/kg	240	120	1
Carbon disulfide	ND		ug/kg	240	110	1
2-Butanone	ND		ug/kg	240	54.	1
Vinyl acetate	ND		ug/kg	240	52.	1
4-Methyl-2-pentanone	ND		ug/kg	240	31.	1
1,2,3-Trichloropropane	ND		ug/kg	48	3.1	1
2-Hexanone	ND		ug/kg	240	29.	1
Bromochloromethane	ND		ug/kg	48	5.0	1
2,2-Dichloropropane	ND		ug/kg	48	4.9	1
1,2-Dibromoethane	ND		ug/kg	24	6.8	1
1,3-Dichloropropane	ND		ug/kg	48	4.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	12	3.2	1
Bromobenzene	ND		ug/kg	48	3.5	1
n-Butylbenzene	5.4	J	ug/kg	24	4.0	1
sec-Butylbenzene	ND		ug/kg	24	3.5	1
tert-Butylbenzene	ND		ug/kg	48	2.9	1
o-Chlorotoluene	ND		ug/kg	48	4.6	1
p-Chlorotoluene	ND		ug/kg	48	2.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	73	24.	1
Hexachlorobutadiene	ND		ug/kg	97	4.1	1
Isopropylbenzene	ND		ug/kg	24	2.6	1
p-Isopropyltoluene	3.5	J	ug/kg	24	2.6	1
Naphthalene	48	J	ug/kg	97	16.	1
Acrylonitrile	ND		ug/kg	97	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	24	4.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	48	7.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	48	6.6	1
1,3,5-Trimethylbenzene	ND		ug/kg	48	4.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	48	8.1	1
1,4-Dioxane	ND		ug/kg	1900	850	1
p-Diethylbenzene	13	J	ug/kg	48	4.3	1
p-Ethyltoluene	ND		ug/kg	48	9.3	1
1,2,4,5-Tetramethylbenzene	11	J	ug/kg	48	4.6	1
Ethyl ether	ND		ug/kg	48	8.3	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	120	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 19:54
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	120	53.	1
1,1-Dichloroethane	190		ug/kg	23	3.4	1
Chloroform	ND		ug/kg	35	3.2	1
Carbon tetrachloride	ND		ug/kg	23	5.3	1
1,2-Dichloropropane	ND		ug/kg	23	2.9	1
Dibromochloromethane	ND		ug/kg	23	3.2	1
1,1,2-Trichloroethane	ND		ug/kg	23	6.2	1
Tetrachloroethene	12		ug/kg	12	4.5	1
Chlorobenzene	ND		ug/kg	12	2.9	1
Trichlorofluoromethane	ND		ug/kg	93	16.	1
1,2-Dichloroethane	ND		ug/kg	23	5.9	1
1,1,1-Trichloroethane	200		ug/kg	12	3.9	1
Bromodichloromethane	ND		ug/kg	12	2.5	1
trans-1,3-Dichloropropene	ND		ug/kg	23	6.3	1
cis-1,3-Dichloropropene	ND		ug/kg	12	3.6	1
1,3-Dichloropropene, Total	ND		ug/kg	12	3.6	1
1,1-Dichloropropene	ND		ug/kg	12	3.7	1
Bromoform	ND		ug/kg	93	5.7	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	12	3.8	1
Benzene	ND		ug/kg	12	3.8	1
Toluene	ND		ug/kg	23	12.	1
Ethylbenzene	24		ug/kg	23	3.3	1
Chloromethane	ND		ug/kg	93	22.	1
Bromomethane	ND		ug/kg	46	13.	1
Vinyl chloride	ND		ug/kg	23	7.8	1
Chloroethane	ND		ug/kg	46	10.	1
1,1-Dichloroethene	14	J	ug/kg	23	5.5	1
trans-1,2-Dichloroethene	7.0	J	ug/kg	35	3.2	1

Project Name: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09 Date Collected: 09/20/23 11:48

Client ID: EP-17 (5'BGS) Date Received: 09/20/23

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1900		ug/kg	12	3.2	1
1,2-Dichlorobenzene	ND		ug/kg	46	3.3	1
1,3-Dichlorobenzene	ND		ug/kg	46	3.4	1
1,4-Dichlorobenzene	ND		ug/kg	46	4.0	1
Methyl tert butyl ether	ND		ug/kg	46	4.6	1
p/m-Xylene	23	J	ug/kg	46	13.	1
o-Xylene	36		ug/kg	23	6.7	1
Xylenes, Total	59	J	ug/kg	23	6.7	1
cis-1,2-Dichloroethene	600		ug/kg	23	4.0	1
1,2-Dichloroethene, Total	610	J	ug/kg	23	3.2	1
Dibromomethane	ND		ug/kg	46	5.5	1
Styrene	ND		ug/kg	23	4.5	1
Dichlorodifluoromethane	ND		ug/kg	230	21.	1
Acetone	ND		ug/kg	230	110	1
Carbon disulfide	ND		ug/kg	230	100	1
2-Butanone	ND		ug/kg	230	51.	1
Vinyl acetate	ND		ug/kg	230	50.	1
4-Methyl-2-pentanone	ND		ug/kg	230	30.	1
1,2,3-Trichloropropane	ND		ug/kg	46	2.9	1
2-Hexanone	ND		ug/kg	230	27.	1
Bromochloromethane	ND		ug/kg	46	4.7	1
2,2-Dichloropropane	ND		ug/kg	46	4.7	1
1,2-Dibromoethane	ND		ug/kg	23	6.4	1
1,3-Dichloropropane	ND		ug/kg	46	3.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	12	3.0	1
Bromobenzene	ND		ug/kg	46	3.4	1
n-Butylbenzene	460		ug/kg	23	3.9	1
sec-Butylbenzene	290		ug/kg	23	3.4	1
tert-Butylbenzene	ND		ug/kg	46	2.7	1
o-Chlorotoluene	ND		ug/kg	46	4.4	1
p-Chlorotoluene	ND		ug/kg	46	2.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	69	23.	1
Hexachlorobutadiene	ND		ug/kg	93	3.9	1
Isopropylbenzene	30		ug/kg	23	2.5	1
p-Isopropyltoluene	190		ug/kg	23	2.5	1
Naphthalene	1200		ug/kg	93	15.	1
Acrylonitrile	ND		ug/kg	93	27.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	94		ug/kg	23	4.0	1
1,2,3-Trichlorobenzene	ND		ug/kg	46	7.4	1
1,2,4-Trichlorobenzene	ND		ug/kg	46	6.3	1
1,3,5-Trimethylbenzene	170		ug/kg	46	4.5	1
1,2,4-Trimethylbenzene	300		ug/kg	46	7.7	1
1,4-Dioxane	ND		ug/kg	1800	810	1
p-Diethylbenzene	260		ug/kg	46	4.1	1
p-Ethyltoluene	340		ug/kg	46	8.9	1
1,2,4,5-Tetramethylbenzene	790		ug/kg	46	4.4	1
Ethyl ether	ND		ug/kg	46	7.9	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	120	33.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 09/30/23 19:28
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	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	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	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	0.91	0.25	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	0.91	0.49	1
Ethylbenzene	5.1		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	0.30	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.12	J	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	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	7.9		ug/kg	1.8	0.51	1
o-Xylene	3.9		ug/kg	0.91	0.26	1
Xylenes, Total	12		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	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	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	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	0.28	J	ug/kg	0.91	0.15	1
sec-Butylbenzene	0.24	J	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	0.72	J	ug/kg	0.91	0.10	1
p-Isopropyltoluene	0.16	J	ug/kg	0.91	0.10	1
Naphthalene	1.2	J	ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.6		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	6.8		ug/kg	1.8	0.18	1
1,2,4-Trimethylbenzene	19		ug/kg	1.8	0.30	1
1,4-Dioxane	ND		ug/kg	73	32.	1
p-Diethylbenzene	4.9		ug/kg	1.8	0.16	1
p-Ethyltoluene	6.3		ug/kg	1.8	0.35	1
1,2,4,5-Tetramethylbenzene	1.2	J	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/30/23 07:51
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12 Date Collected: 09/20/23 13:15

Client ID: FB 2023-09-20 Date Received: 09/20/23

Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:15
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13
Client ID: TB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 00:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 09/30/23 07:25
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13
Client ID: TB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 00:00
Date Received: 09/20/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
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	5.3		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13
Client ID: TB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 00:00
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13 R
Client ID: TB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 00:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/04/23 15:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13 R Date Collected: 09/20/23 00:00
Client ID: TB 2023-09-20 Date Received: 09/20/23
Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-13 R
Client ID: TB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 00:00
Date Received: 09/20/23
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

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 00:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG1834286-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 00:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG1834286-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 00:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 12-13 Batch: WG1834286-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1834320-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	43	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	22	J	ug/kg	25	6.8

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1834320-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1834320-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07,10 Batch: WG1834321-5					
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	0.85	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	0.44	J	ug/kg	0.50	0.14

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07,10 Batch: WG1834321-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 09/30/23 14:00
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04-07,10 Batch: WG1834321-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1834583-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	1.4	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1834583-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/01/23 17:58
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1834583-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	92		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/04/23 14:50
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1836095-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/04/23 14:50
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1836095-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/04/23 14:50
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1836095-5					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG1834286-3 WG1834286-4								
Methylene chloride	90		90		70-130	0		20
1,1-Dichloroethane	94		94		70-130	0		20
Chloroform	93		91		70-130	2		20
Carbon tetrachloride	92		92		63-132	0		20
1,2-Dichloropropane	90		90		70-130	0		20
Dibromochloromethane	88		87		63-130	1		20
1,1,2-Trichloroethane	94		92		70-130	2		20
Tetrachloroethene	91		92		70-130	1		20
Chlorobenzene	95		97		75-130	2		20
Trichlorofluoromethane	93		96		62-150	3		20
1,2-Dichloroethane	88		87		70-130	1		20
1,1,1-Trichloroethane	93		93		67-130	0		20
Bromodichloromethane	88		87		67-130	1		20
trans-1,3-Dichloropropene	88		87		70-130	1		20
cis-1,3-Dichloropropene	84		82		70-130	2		20
1,1-Dichloropropene	92		92		70-130	0		20
Bromoform	80		80		54-136	0		20
1,1,2,2-Tetrachloroethane	95		93		67-130	2		20
Benzene	94		93		70-130	1		20
Toluene	97		98		70-130	1		20
Ethylbenzene	96		97		70-130	1		20
Chloromethane	82		82		64-130	0		20
Bromomethane	67		83		39-139	**21**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG1834286-3 WG1834286-4								
Vinyl chloride	99		97		55-140	2		20
Chloroethane	100		110		55-138	10		20
1,1-Dichloroethene	94		98		61-145	4		20
trans-1,2-Dichloroethene	88		91		70-130	3		20
Trichloroethene	92		91		70-130	1		20
1,2-Dichlorobenzene	93		93		70-130	0		20
1,3-Dichlorobenzene	94		94		70-130	0		20
1,4-Dichlorobenzene	93		93		70-130	0		20
Methyl tert butyl ether	76		76		63-130	0		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		95		70-130	5		20
cis-1,2-Dichloroethene	89		89		70-130	0		20
Dibromomethane	86		85		70-130	1		20
1,2,3-Trichloropropane	84		82		64-130	2		20
Acrylonitrile	86		82		70-130	5		20
Styrene	90		90		70-130	0		20
Dichlorodifluoromethane	75		75		36-147	0		20
Acetone	84		84		58-148	0		20
Carbon disulfide	92		93		51-130	1		20
2-Butanone	81		79		63-138	3		20
Vinyl acetate	85		81		70-130	5		20
4-Methyl-2-pentanone	78		76		59-130	3		20
2-Hexanone	69		66		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG1834286-3 WG1834286-4								
Bromochloromethane	88		88		70-130	0		20
2,2-Dichloropropane	90		88		63-133	2		20
1,2-Dibromoethane	90		89		70-130	1		20
1,3-Dichloropropane	91		92		70-130	1		20
1,1,1,2-Tetrachloroethane	92		92		64-130	0		20
Bromobenzene	93		93		70-130	0		20
n-Butylbenzene	93		94		53-136	1		20
sec-Butylbenzene	94		95		70-130	1		20
tert-Butylbenzene	93		94		70-130	1		20
o-Chlorotoluene	96		96		70-130	0		20
p-Chlorotoluene	96		95		70-130	1		20
1,2-Dibromo-3-chloropropane	75		72		41-144	4		20
Hexachlorobutadiene	77		81		63-130	5		20
Isopropylbenzene	96		97		70-130	1		20
p-Isopropyltoluene	92		93		70-130	1		20
Naphthalene	76		77		70-130	1		20
n-Propylbenzene	98		98		69-130	0		20
1,2,3-Trichlorobenzene	78		80		70-130	3		20
1,2,4-Trichlorobenzene	79		82		70-130	4		20
1,3,5-Trimethylbenzene	94		94		64-130	0		20
1,2,4-Trimethylbenzene	94		94		70-130	0		20
1,4-Dioxane	78		88		56-162	12		20
p-Diethylbenzene	90		91		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 12-13 Batch: WG1834286-3 WG1834286-4								
p-Ethyltoluene	96		96		70-130	0		20
1,2,4,5-Tetramethylbenzene	85		86		70-130	1		20
Ethyl ether	87		89		59-134	2		20
trans-1,4-Dichloro-2-butene	90		87		70-130	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		94		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1834320-3 WG1834320-4								
Methylene chloride	94		93		70-130	1		30
1,1-Dichloroethane	124		120		70-130	3		30
Chloroform	108		109		70-130	1		30
Carbon tetrachloride	102		100		70-130	2		30
1,2-Dichloropropane	118		115		70-130	3		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	95		94		70-130	1		30
Tetrachloroethene	115		113		70-130	2		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	115		106		70-139	8		30
1,2-Dichloroethane	106		104		70-130	2		30
1,1,1-Trichloroethane	115		112		70-130	3		30
Bromodichloromethane	106		104		70-130	2		30
trans-1,3-Dichloropropene	104		103		70-130	1		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
1,1-Dichloropropene	129		124		70-130	4		30
Bromoform	78		81		70-130	4		30
1,1,2,2-Tetrachloroethane	86		87		70-130	1		30
Benzene	113		110		70-130	3		30
Toluene	109		107		70-130	2		30
Ethylbenzene	112		110		70-130	2		30
Chloromethane	**143**	Q	**136**	Q	52-130	5		30
Bromomethane	107		113		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1834320-3 WG1834320-4								
Vinyl chloride	115		116		67-130	1		30
Chloroethane	122		112		50-151	9		30
1,1-Dichloroethene	115		107		65-135	7		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Trichloroethene	111		108		70-130	3		30
1,2-Dichlorobenzene	94		96		70-130	2		30
1,3-Dichlorobenzene	101		102		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	105		104		70-130	1		30
cis-1,2-Dichloroethene	104		102		70-130	2		30
Dibromomethane	91		90		70-130	1		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	109		105		30-146	4		30
Acetone	90		90		54-140	0		30
Carbon disulfide	114		106		59-130	7		30
2-Butanone	75		80		70-130	6		30
Vinyl acetate	115		111		70-130	4		30
4-Methyl-2-pentanone	74		75		70-130	1		30
1,2,3-Trichloropropane	84		85		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	88		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1834320-3 WG1834320-4								
2,2-Dichloropropane	121		116		70-130	4		30
1,2-Dibromoethane	88		88		70-130	0		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	100		98		70-130	2		30
Bromobenzene	96		97		70-130	1		30
n-Butylbenzene	126		124		70-130	2		30
sec-Butylbenzene	116		116		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
o-Chlorotoluene	111		111		70-130	0		30
p-Chlorotoluene	111		111		70-130	0		30
1,2-Dibromo-3-chloropropane	**58**	Q	**62**	Q	68-130	7		30
Hexachlorobutadiene	**139**	Q	**140**	Q	67-130	1		30
Isopropylbenzene	110		109		70-130	1		30
p-Isopropyltoluene	110		110		70-130	0		30
Naphthalene	72		73		70-130	1		30
Acrylonitrile	92		90		70-130	2		30
n-Propylbenzene	117		117		70-130	0		30
1,2,3-Trichlorobenzene	101		104		70-130	3		30
1,2,4-Trichlorobenzene	105		106		70-130	1		30
1,3,5-Trimethylbenzene	109		109		70-130	0		30
1,2,4-Trimethylbenzene	108		107		70-130	1		30
1,4-Dioxane	**55**	Q	**57**	Q	65-136	4		30
p-Diethylbenzene	112		112		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1834320-3 WG1834320-4								
p-Ethyltoluene	113		112		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Ethyl ether	99		94		67-130	5		30
trans-1,4-Dichloro-2-butene	93		95		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		97		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	94		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07,10 Batch: WG1834321-3 WG1834321-4								
Methylene chloride	94		93		70-130	1		30
1,1-Dichloroethane	124		120		70-130	3		30
Chloroform	108		109		70-130	1		30
Carbon tetrachloride	102		100		70-130	2		30
1,2-Dichloropropane	118		115		70-130	3		30
Dibromochloromethane	88		88		70-130	0		30
1,1,2-Trichloroethane	95		94		70-130	1		30
Tetrachloroethene	115		113		70-130	2		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	115		106		70-139	8		30
1,2-Dichloroethane	106		104		70-130	2		30
1,1,1-Trichloroethane	115		112		70-130	3		30
Bromodichloromethane	106		104		70-130	2		30
trans-1,3-Dichloropropene	104		103		70-130	1		30
cis-1,3-Dichloropropene	108		105		70-130	3		30
1,1-Dichloropropene	129		124		70-130	4		30
Bromoform	78		81		70-130	4		30
1,1,2,2-Tetrachloroethane	86		87		70-130	1		30
Benzene	113		110		70-130	3		30
Toluene	109		107		70-130	2		30
Ethylbenzene	112		110		70-130	2		30
Chloromethane	**143**	Q	**136**	Q	52-130	5		30
Bromomethane	107		113		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07,10 Batch: WG1834321-3 WG1834321-4								
Vinyl chloride	115		116		67-130	1		30
Chloroethane	122		112		50-151	9		30
1,1-Dichloroethene	115		107		65-135	7		30
trans-1,2-Dichloroethene	108		104		70-130	4		30
Trichloroethene	111		108		70-130	3		30
1,2-Dichlorobenzene	94		96		70-130	2		30
1,3-Dichlorobenzene	101		102		70-130	1		30
1,4-Dichlorobenzene	98		99		70-130	1		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	106		104		70-130	2		30
o-Xylene	105		104		70-130	1		30
cis-1,2-Dichloroethene	104		102		70-130	2		30
Dibromomethane	91		90		70-130	1		30
Styrene	100		99		70-130	1		30
Dichlorodifluoromethane	109		105		30-146	4		30
Acetone	90		90		54-140	0		30
Carbon disulfide	114		106		59-130	7		30
2-Butanone	75		80		70-130	6		30
Vinyl acetate	115		111		70-130	4		30
4-Methyl-2-pentanone	74		75		70-130	1		30
1,2,3-Trichloropropane	84		85		68-130	1		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	88		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07,10 Batch: WG1834321-3 WG1834321-4								
2,2-Dichloropropane	121		116		70-130	4		30
1,2-Dibromoethane	88		88		70-130	0		30
1,3-Dichloropropane	100		100		69-130	0		30
1,1,1,2-Tetrachloroethane	100		98		70-130	2		30
Bromobenzene	96		97		70-130	1		30
n-Butylbenzene	126		124		70-130	2		30
sec-Butylbenzene	116		116		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
o-Chlorotoluene	111		111		70-130	0		30
p-Chlorotoluene	111		111		70-130	0		30
1,2-Dibromo-3-chloropropane	**58**	Q	**62**	Q	68-130	7		30
Hexachlorobutadiene	**139**	Q	**140**	Q	67-130	1		30
Isopropylbenzene	110		109		70-130	1		30
p-Isopropyltoluene	110		110		70-130	0		30
Naphthalene	72		73		70-130	1		30
Acrylonitrile	92		90		70-130	2		30
n-Propylbenzene	117		117		70-130	0		30
1,2,3-Trichlorobenzene	101		104		70-130	3		30
1,2,4-Trichlorobenzene	105		106		70-130	1		30
1,3,5-Trimethylbenzene	109		109		70-130	0		30
1,2,4-Trimethylbenzene	108		107		70-130	1		30
1,4-Dioxane	**55**	Q	**57**	Q	65-136	4		30
p-Diethylbenzene	112		112		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04-07,10 Batch: WG1834321-3 WG1834321-4								
p-Ethyltoluene	113		112		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Ethyl ether	99		94		67-130	5		30
trans-1,4-Dichloro-2-butene	93		95		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		97		70-130
Toluene-d8	106		104		70-130
4-Bromofluorobenzene	101		100		70-130
Dibromofluoromethane	93		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1834583-3 WG1834583-4								
Methylene chloride	90		91		70-130	1		30
1,1-Dichloroethane	95		95		70-130	0		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	86		87		70-130	1		30
1,2-Dichloropropane	93		93		70-130	0		30
Dibromochloromethane	89		89		70-130	0		30
1,1,2-Trichloroethane	90		89		70-130	1		30
Tetrachloroethene	97		96		70-130	1		30
Chlorobenzene	93		93		70-130	0		30
Trichlorofluoromethane	104		105		70-139	1		30
1,2-Dichloroethane	87		89		70-130	2		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	89		89		70-130	0		30
trans-1,3-Dichloropropene	97		97		70-130	0		30
cis-1,3-Dichloropropene	88		89		70-130	1		30
1,1-Dichloropropene	95		96		70-130	1		30
Bromoform	86		87		70-130	1		30
1,1,2,2-Tetrachloroethane	98		94		70-130	4		30
Benzene	93		93		70-130	0		30
Toluene	98		97		70-130	1		30
Ethylbenzene	99		100		70-130	1		30
Chloromethane	96		94		52-130	2		30
Bromomethane	92		91		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1834583-3 WG1834583-4								
Vinyl chloride	106		104		67-130	2		30
Chloroethane	102		101		50-151	1		30
1,1-Dichloroethene	100		100		65-135	0		30
trans-1,2-Dichloroethene	96		96		70-130	0		30
Trichloroethene	92		93		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	97		97		70-130	0		30
Methyl tert butyl ether	89		88		66-130	1		30
p/m-Xylene	99		99		70-130	0		30
o-Xylene	93		93		70-130	0		30
cis-1,2-Dichloroethene	88		87		70-130	1		30
Dibromomethane	82		86		70-130	5		30
Styrene	96		96		70-130	0		30
Dichlorodifluoromethane	90		89		30-146	1		30
Acetone	95		90		54-140	5		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	87		84		70-130	4		30
Vinyl acetate	100		95		70-130	5		30
4-Methyl-2-pentanone	92		88		70-130	4		30
1,2,3-Trichloropropane	98		96		68-130	2		30
2-Hexanone	94		94		70-130	0		30
Bromochloromethane	83		83		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1834583-3 WG1834583-4								
2,2-Dichloropropane	98		94		70-130	4		30
1,2-Dibromoethane	92		93		70-130	1		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	93		92		70-130	1		30
Bromobenzene	94		92		70-130	2		30
n-Butylbenzene	113		112		70-130	1		30
sec-Butylbenzene	109		108		70-130	1		30
tert-Butylbenzene	105		103		70-130	2		30
o-Chlorotoluene	105		103		70-130	2		30
p-Chlorotoluene	104		103		70-130	1		30
1,2-Dibromo-3-chloropropane	82		83		68-130	1		30
Hexachlorobutadiene	96		95		67-130	1		30
Isopropylbenzene	102		104		70-130	2		30
p-Isopropyltoluene	104		104		70-130	0		30
Naphthalene	93		92		70-130	1		30
Acrylonitrile	80		80		70-130	0		30
n-Propylbenzene	111		107		70-130	4		30
1,2,3-Trichlorobenzene	96		93		70-130	3		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	102		101		70-130	1		30
1,2,4-Trimethylbenzene	101		100		70-130	1		30
1,4-Dioxane	71		71		65-136	0		30
p-Diethylbenzene	105		104		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1834583-3 WG1834583-4								
p-Ethyltoluene	105		102		70-130	3		30
1,2,4,5-Tetramethylbenzene	103		98		70-130	5		30
Ethyl ether	91		92		67-130	1		30
trans-1,4-Dichloro-2-butene	103		101		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	92		92		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	106		101		70-130
Dibromofluoromethane	88		89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1836095-3 WG1836095-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		100		70-130	10		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	99		100		67-130	1		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		100		64-130	10		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1836095-3 WG1836095-4								
Vinyl chloride	110		110		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		110		70-130	10		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	110		110		70-130	0		20
Dibromomethane	98		100		70-130	2		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	100		100		70-130	0		20
Styrene	100		105		70-130	5		20
Dichlorodifluoromethane	110		110		36-147	0		20
Acetone	81		100		58-148	**21**	Q	20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	100		98		63-138	2		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	96		100		59-130	4		20
2-Hexanone	96		100		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1836095-3 WG1836095-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	110		110		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	96		100		41-144	4		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	98		100		70-130	2		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	100		110		70-130	10		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	92		96		56-162	4		20
p-Diethylbenzene	110		110		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1836095-3 WG1836095-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	110		110		59-134	0		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	104		100		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	101		103		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 12:50
Analyst: HNY
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	34	J	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	620		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	22	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	330		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	45.	1
Benzo(b)fluoranthene	320		ug/kg	110	31.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	330		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	82	J	ug/kg	110	36.	1
Benzo(ghi)perylene	150		ug/kg	150	22.	1
Fluorene	34	J	ug/kg	180	18.	1
Phenanthrene	450		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	35	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	150	26.	1
Pyrene	690		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	69.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	28	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	76		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 02:44
Analyst: MG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

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	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	66	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	180	1
Hexachloroethane	ND		ug/kg	150	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
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	35	J	ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	33	J	ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	36	J	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	50	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	63	J	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
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	ND		ug/kg	190	19.	1
1,4-Dioxane	ND		ug/kg	29	8.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	59		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:55
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 03:33
Analyst: MG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

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	150		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	19.	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	23.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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	85	J	ug/kg	110	21.	1
Benzo(a)pyrene	84	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	88	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	30	J	ug/kg	110	30.	1
Chrysene	90	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	46	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	110		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	46	J	ug/kg	150	26.	1
Pyrene	160		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:23
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 13:14
Analyst: HNY
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

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	88	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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	56	J	ug/kg	110	20.	1
Benzo(a)pyrene	80	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	88	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	60	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	34	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	76	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	140	25.	1
Pyrene	86	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	48		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:35
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 05:58
Analyst: MG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	40	J	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	830		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	140	29.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	50	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	110	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	490		ug/kg	110	20.	1
Benzo(a)pyrene	510		ug/kg	140	44.	1
Benzo(b)fluoranthene	600		ug/kg	110	31.	1
Benzo(k)fluoranthene	160		ug/kg	110	29.	1
Chrysene	560		ug/kg	110	19.	1
Acenaphthylene	37	J	ug/kg	140	28.	1
Anthracene	120		ug/kg	110	36.	1
Benzo(ghi)perylene	330		ug/kg	140	21.	1
Fluorene	37	J	ug/kg	180	18.	1
Phenanthrene	520		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	74	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	330		ug/kg	140	25.	1
Pyrene	850		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	75.	1
Dibenzofuran	25	J	ug/kg	180	17.	1
2-Methylnaphthalene	30	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	62	J	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	68.	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	140	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	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	47	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:45
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 01:56
Analyst: MG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

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	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	ND		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	500	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	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		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	33.	1
4-Nitroaniline	ND		ug/kg	180	73.	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	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	850	82.	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	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 13:38
Analyst: HNY
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	85	J	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	1700		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	80	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: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07 Date Collected: 09/20/23 11:00

Client ID: EP-09 (5'BGS) Date Received: 09/20/23

Sample Location: 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	1200		ug/kg	110	20.	1
Benzo(a)pyrene	1600		ug/kg	140	44.	1
Benzo(b)fluoranthene	2000		ug/kg	110	30.	1
Benzo(k)fluoranthene	640		ug/kg	110	28.	1
Chrysene	1200		ug/kg	110	18.	1
Acenaphthylene	240		ug/kg	140	28.	1
Anthracene	280		ug/kg	110	35.	1
Benzo(ghi)perylene	800		ug/kg	140	21.	1
Fluorene	64	J	ug/kg	180	17.	1
Phenanthrene	1100		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	170		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	970		ug/kg	140	25.	1
Pyrene	1800		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	46	J	ug/kg	180	17.	1
2-Methylnaphthalene	31	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	380	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:00
Date Received: 09/20/23
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	86	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	106		25-120
Phenol-d6	104		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	111		10-136
4-Terphenyl-d14	65		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 14:02
Analyst: HNY
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	140	19.	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	1600		ug/kg	110	21.	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	220	31.	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	72	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	100	J	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: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08 Date Collected: 09/20/23 11:30

Client ID: EP-15 (5'BGS) Date Received: 09/20/23

Sample Location: 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	820		ug/kg	110	20.	1
Benzo(a)pyrene	780		ug/kg	140	44.	1
Benzo(b)fluoranthene	920		ug/kg	110	30.	1
Benzo(k)fluoranthene	260		ug/kg	110	29.	1
Chrysene	860		ug/kg	110	19.	1
Acenaphthylene	72	J	ug/kg	140	28.	1
Anthracene	320		ug/kg	110	35.	1
Benzo(ghi)perylene	340		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	17.	1
Phenanthrene	1300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	78	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	140	25.	1
Pyrene	1700		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	74.	1
Dibenzofuran	69	J	ug/kg	180	17.	1
2-Methylnaphthalene	64	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	220		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	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:30
Date Received: 09/20/23
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	100	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	86		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 14:26
Analyst: HNY
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	260		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	1800		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	140	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	510		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	220		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: SA 101 E 150TH **Lab Number:** L2355164

Project Number: 41.0163097.00 **Report Date:** 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09 Date Collected: 09/20/23 11:48

Client ID: EP-17 (5'BGS) Date Received: 09/20/23

Sample Location: 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	620		ug/kg	110	20.	1
Benzo(a)pyrene	660		ug/kg	140	44.	1
Benzo(b)fluoranthene	810		ug/kg	110	31.	1
Benzo(k)fluoranthene	230		ug/kg	110	29.	1
Chrysene	610		ug/kg	110	19.	1
Acenaphthylene	160		ug/kg	140	28.	1
Anthracene	360		ug/kg	110	36.	1
Benzo(ghi)perylene	390		ug/kg	140	21.	1
Fluorene	740		ug/kg	180	18.	1
Phenanthrene	1700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	580		ug/kg	140	25.	1
Pyrene	1800		ug/kg	110	18.	1
Biphenyl	350	J	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	640		ug/kg	180	17.	1
2-Methylnaphthalene	3400		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	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	140	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	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	63		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	85		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	102		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/05/23 18:10
Analyst: RS
Percent Solids: 90%

Extraction Method: EPA 1633
Extraction Date: 10/03/23 10:43
Cleanup Method: EPA 1633
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.802	0.051	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.401	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.047	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.063	J	ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.802	0.281	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.153	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	0.802	0.388	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.107	1
PFOA/PFOS, Total	0.216	J	ng/g	0.200	0.052	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
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)	89		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	97		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	93		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	91		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	**156**	Q	20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	98		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	82		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	110		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	66		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 09/27/23 14:50
Analyst: HNY
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	61.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	41		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	36		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	63		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 10/08/23 20:12
Analyst: ANH
Percent Solids: 83%

Extraction Method: EPA 1633
Extraction Date: 10/03/23 10:43
Cleanup Method: EPA 1633
Cleanup Date: 10/04/23

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)	ND		ng/g	0.399	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.798	0.279	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.798	0.386	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	ND		ng/g	0.199	0.052	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	89		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	84		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	80		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	62		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	78		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-11
Client ID: FB PFAS 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:10
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 10/05/23 16:35
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/23 07:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.88	0.941	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.94	0.787	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.47	0.493	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.47	0.434	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.47	0.294	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.47	0.353	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.47	0.640	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.88	1.98	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.47	0.397	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.47	0.463	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.47	0.669	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.47	0.596	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.88	2.29	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.47	0.801	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.47	0.640	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.47	0.338	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.47	0.397	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.47	0.794	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.47	0.676	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.47	0.551	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.47	0.390	1
PFOA/PFOS, Total	ND		ng/l	1.47	0.640	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-11
Client ID: FB PFAS 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:10
Date Received: 09/20/23
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		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	58		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	62		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	72		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	96		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	77		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	109		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	84		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	86		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	75		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	84		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	90		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 09/27/23 16:34
Analyst: MG

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 15:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	2.0	J	ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	34		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	67		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/26/23 11:21
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 15:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.07	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:15
Date Received: 09/20/23
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	58		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	70		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 09/29/23 11:11
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 09/27/23 18:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	142	32.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/27/23 09:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 06:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1831418-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/27/23 09:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 06:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1831418-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/27/23 09:07
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 06:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 12 Batch: WG1831418-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	85		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/26/23 08:19
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG1831419-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.02	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.01	J	ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/26/23 08:19
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 06:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 12 Batch: WG1831419-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	66		10-120
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	87		10-120
4-Terphenyl-d14	78		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/26/23 10:22
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1831801-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	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	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	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	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/26/23 10:22
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1831801-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 09/26/23 10:22
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 09/25/23 20:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-10 Batch: WG1831801-1					
4-Nitrophenol	ND		ug/kg	230	66.
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	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	58		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 09/29/23 09:56
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 09/27/23 18:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 12 Batch: WG1832813-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	36		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/05/23 15:19
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/23 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 11 Batch: WG1834819-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/05/23 15:19
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 10/03/23 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 11 Batch: WG1834819-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	**158**	Q	20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	106		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	76		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	106		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	70		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	132		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	106		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	66		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	128		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	82		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70		20-150

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/05/23 17:18
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 10/03/23 10:43
Cleanup Method: EPA 1633
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 09-10 Batch: WG1834972-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 10/05/23 17:18
Analyst: RS

Extraction Method: EPA 1633
Extraction Date: 10/03/23 10:43
Cleanup Method: EPA 1633
Cleanup Date: 10/04/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 09-10 Batch: WG1834972-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	96		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	119		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	87		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	87		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	61		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	42		20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1831418-2 WG1831418-3								
Acenaphthene	57		74		37-111	26		30
1,2,4-Trichlorobenzene	60		79		39-98	27		30
Hexachlorobenzene	62		80		40-140	25		30
Bis(2-chloroethyl)ether	56		74		40-140	28		30
2-Chloronaphthalene	60		80		40-140	29		30
1,2-Dichlorobenzene	54		72		40-140	29		30
1,3-Dichlorobenzene	54		74		40-140	**31**	Q	30
1,4-Dichlorobenzene	55		72		36-97	27		30
3,3'-Dichlorobenzidine	52		68		40-140	27		30
2,4-Dinitrotoluene	72		94		48-143	27		30
2,6-Dinitrotoluene	71		95		40-140	29		30
Fluoranthene	62		83		40-140	29		30
4-Chlorophenyl phenyl ether	65		78		40-140	18		30
4-Bromophenyl phenyl ether	64		84		40-140	27		30
Bis(2-chloroisopropyl)ether	48		65		40-140	30		30
Bis(2-chloroethoxy)methane	56		79		40-140	**34**	Q	30
Hexachlorobutadiene	58		73		40-140	23		30
Hexachlorocyclopentadiene	65		87		40-140	29		30
Hexachloroethane	53		74		40-140	**33**	Q	30
Isophorone	59		82		40-140	**33**	Q	30
Naphthalene	57		78		40-140	**31**	Q	30
Nitrobenzene	59		82		40-140	**33**	Q	30
NDPA/DPA	62		79		40-140	24		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1831418-2 WG1831418-3								
n-Nitrosodi-n-propylamine	54		74		29-132	**31**	Q	30
Bis(2-ethylhexyl)phthalate	68		87		40-140	25		30
Butyl benzyl phthalate	65		93		40-140	**35**	Q	30
Di-n-butylphthalate	62		86		40-140	**32**	Q	30
Di-n-octylphthalate	68		88		40-140	26		30
Diethyl phthalate	64		81		40-140	23		30
Dimethyl phthalate	63		88		40-140	**33**	Q	30
Benzo(a)anthracene	62		80		40-140	25		30
Benzo(a)pyrene	68		87		40-140	25		30
Benzo(b)fluoranthene	67		85		40-140	24		30
Benzo(k)fluoranthene	59		78		40-140	28		30
Chrysene	63		82		40-140	26		30
Acenaphthylene	60		83		45-123	**32**	Q	30
Anthracene	60		80		40-140	29		30
Benzo(ghi)perylene	66		82		40-140	22		30
Fluorene	62		80		40-140	25		30
Phenanthrene	59		80		40-140	30		30
Dibenzo(a,h)anthracene	64		84		40-140	27		30
Indeno(1,2,3-cd)pyrene	66		82		40-140	22		30
Pyrene	62		83		26-127	29		30
Biphenyl	49		68		40-140	**32**	Q	30
4-Chloroaniline	55		71		40-140	25		30
2-Nitroaniline	72		98		52-143	**31**	Q	30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1831418-2 WG1831418-3								
3-Nitroaniline	69		91		25-145	28		30
4-Nitroaniline	70		89		51-143	24		30
Dibenzofuran	62		79		40-140	24		30
2-Methylnaphthalene	58		82		40-140	**34**	Q	30
1,2,4,5-Tetrachlorobenzene	48		68		2-134	**34**	Q	30
Acetophenone	48		64		39-129	29		30
2,4,6-Trichlorophenol	63		91		30-130	**36**	Q	30
p-Chloro-m-cresol	62		84		23-97	30		30
2-Chlorophenol	60		80		27-123	29		30
2,4-Dichlorophenol	64		85		30-130	28		30
2,4-Dimethylphenol	47		70		30-130	**39**	Q	30
2-Nitrophenol	73		98		30-130	29		30
4-Nitrophenol	60		72		10-80	18		30
2,4-Dinitrophenol	71		100		20-130	**34**	Q	30
4,6-Dinitro-o-cresol	92		109		20-164	17		30
Pentachlorophenol	54		68		9-103	23		30
Phenol	47		61		12-110	26		30
2-Methylphenol	56		76		30-130	30		30
3-Methylphenol/4-Methylphenol	58		79		30-130	**31**	Q	30
2,4,5-Trichlorophenol	66		86		30-130	26		30
Benzoic Acid	58		70		10-164	19		30
Benzyl Alcohol	58		77		26-116	28		30
Carbazole	61		81		55-144	28		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 12 Batch: WG1831418-2 WG1831418-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		66		21-120
Phenol-d6	46		56		10-120
Nitrobenzene-d5	55		74		23-120
2-Fluorobiphenyl	58		74		15-120
2,4,6-Tribromophenol	69		80		10-120
4-Terphenyl-d14	64		80		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG1831419-2 WG1831419-3								
Acenaphthene	71		83		40-140	16		40
2-Chloronaphthalene	62		59		40-140	5		40
Fluoranthene	73		86		40-140	16		40
Hexachlorobutadiene	54		65		40-140	18		40
Naphthalene	67		78		40-140	15		40
Benzo(a)anthracene	80		95		40-140	17		40
Benzo(a)pyrene	85		98		40-140	14		40
Benzo(b)fluoranthene	80		92		40-140	14		40
Benzo(k)fluoranthene	82		93		40-140	13		40
Chrysene	76		88		40-140	15		40
Acenaphthylene	70		67		40-140	4		40
Anthracene	76		89		40-140	16		40
Benzo(ghi)perylene	84		96		40-140	13		40
Fluorene	72		84		40-140	15		40
Phenanthrene	70		82		40-140	16		40
Dibenzo(a,h)anthracene	81		93		40-140	14		40
Indeno(1,2,3-cd)pyrene	82		94		40-140	14		40
Pyrene	71		84		40-140	17		40
2-Methylnaphthalene	68		64		40-140	6		40
Pentachlorophenol	83		96		40-140	15		40
Hexachlorobenzene	61		71		40-140	15		40
Hexachloroethane	78		91		40-140	15		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 12 Batch: WG1831419-2 WG1831419-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		69		21-120
Phenol-d6	69		78		10-120
Nitrobenzene-d5	89		103		23-120
2-Fluorobiphenyl	59		54		15-120
2,4,6-Tribromophenol	81		94		10-120
4-Terphenyl-d14	61		68		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1831801-2 WG1831801-3								
Acenaphthene	59		68		31-137	14		50
1,2,4-Trichlorobenzene	58		70		38-107	19		50
Hexachlorobenzene	51		61		40-140	18		50
Bis(2-chloroethyl)ether	57		68		40-140	18		50
2-Chloronaphthalene	59		71		40-140	18		50
1,2-Dichlorobenzene	56		67		40-140	18		50
1,3-Dichlorobenzene	56		66		40-140	16		50
1,4-Dichlorobenzene	57		66		28-104	15		50
3,3'-Dichlorobenzidine	53		65		40-140	20		50
2,4-Dinitrotoluene	65		80		40-132	21		50
2,6-Dinitrotoluene	64		75		40-140	16		50
Fluoranthene	60		73		40-140	20		50
4-Chlorophenyl phenyl ether	57		67		40-140	16		50
4-Bromophenyl phenyl ether	54		64		40-140	17		50
Bis(2-chloroisopropyl)ether	46		55		40-140	18		50
Bis(2-chloroethoxy)methane	64		76		40-117	17		50
Hexachlorobutadiene	57		67		40-140	16		50
Hexachlorocyclopentadiene	61		78		40-140	24		50
Hexachloroethane	62		70		40-140	12		50
Isophorone	66		79		40-140	18		50
Naphthalene	58		68		40-140	16		50
Nitrobenzene	66		76		40-140	14		50
NDPA/DPA	60		71		36-157	17		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1831801-2 WG1831801-3								
n-Nitrosodi-n-propylamine	66		76		32-121	14		50
Bis(2-ethylhexyl)phthalate	72		85		40-140	17		50
Butyl benzyl phthalate	67		82		40-140	20		50
Di-n-butylphthalate	73		90		40-140	21		50
Di-n-octylphthalate	74		86		40-140	15		50
Diethyl phthalate	65		77		40-140	17		50
Dimethyl phthalate	62		73		40-140	16		50
Benzo(a)anthracene	63		75		40-140	17		50
Benzo(a)pyrene	68		82		40-140	19		50
Benzo(b)fluoranthene	62		73		40-140	16		50
Benzo(k)fluoranthene	60		72		40-140	18		50
Chrysene	60		70		40-140	15		50
Acenaphthylene	67		81		40-140	19		50
Anthracene	62		74		40-140	18		50
Benzo(ghi)perylene	63		74		40-140	16		50
Fluorene	60		72		40-140	18		50
Phenanthrene	59		70		40-140	17		50
Dibenzo(a,h)anthracene	63		74		40-140	16		50
Indeno(1,2,3-cd)pyrene	70		83		40-140	17		50
Pyrene	59		72		35-142	20		50
Biphenyl	62		73		37-127	16		50
4-Chloroaniline	65		82		40-140	23		50
2-Nitroaniline	70		82		47-134	16		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1831801-2 WG1831801-3								
3-Nitroaniline	59		71		26-129	18		50
4-Nitroaniline	60		72		41-125	18		50
Dibenzofuran	59		70		40-140	17		50
2-Methylnaphthalene	61		73		40-140	18		50
1,2,4,5-Tetrachlorobenzene	59		71		40-117	18		50
Acetophenone	62		74		14-144	18		50
2,4,6-Trichlorophenol	66		81		30-130	20		50
p-Chloro-m-cresol	68		83		26-103	20		50
2-Chlorophenol	64		75		25-102	16		50
2,4-Dichlorophenol	67		79		30-130	16		50
2,4-Dimethylphenol	65		80		30-130	21		50
2-Nitrophenol	79		94		30-130	17		50
4-Nitrophenol	71		84		11-114	17		50
2,4-Dinitrophenol	70		88		4-130	23		50
4,6-Dinitro-o-cresol	75		88		10-130	16		50
Pentachlorophenol	58		70		17-109	19		50
Phenol	63		72		26-90	13		50
2-Methylphenol	62		76		30-130.	20		50
3-Methylphenol/4-Methylphenol	65		77		30-130	17		50
2,4,5-Trichlorophenol	64		78		30-130	20		50
Benzoic Acid	47		50		10-110	6		50
Benzyl Alcohol	68		83		40-140	20		50
Carbazole	63		77		54-128	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-10 Batch: WG1831801-2 WG1831801-3								
1,4-Dioxane	46		53		40-140	14		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		79		25-120
Phenol-d6	65		77		10-120
Nitrobenzene-d5	71		81		23-120
2-Fluorobiphenyl	59		73		30-120
2,4,6-Tribromophenol	56		69		10-136
4-Terphenyl-d14	56		68		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 12 Batch: WG1832813-2 WG1832813-3								
1,4-Dioxane	117		117		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	39		42		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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): 11 Batch: WG1834819-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	112		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	88		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	117		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	102		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	128		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	**170**	Q	-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	110		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	127		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	115		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	114		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	132		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	148		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	101		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	117		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	88		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	124		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	115		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	108		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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): 11 Batch: WG1834819-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	91				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	104				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	91				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	80				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	77				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	92				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	96				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	146				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	77				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	91				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	87				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	96				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 11 Batch: WG1834819-3								
Perfluorobutanoic Acid (PFBA)	113		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	110		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	109		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	118		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	96		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	114		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	112		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	130		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	118		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	114		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	107		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	111		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	98		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	134		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 11 Batch: WG1834819-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	60				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	71				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	107				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	126				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	83				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	101				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	85				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	110				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	103				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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): 09-10 Batch: WG1834972-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	89		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	85		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	92		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	85		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	85		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	92		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	80		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	83		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	86		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	77		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	87		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	74		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	89		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	86		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	96		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	84		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	94		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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): 09-10 Batch: WG1834972-2 LOW LEVEL								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	89				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	84				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	87				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	102				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	78				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	77				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	58				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	41				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 09-10 Batch: WG1834972-3								
Perfluorobutanoic Acid (PFBA)	85		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	79		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	78		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	83		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	78		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	82		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	86		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	89		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	73		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	79		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	79		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	90		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	85		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	78		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	83		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	76		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	82		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	93		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	86		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	78		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	88		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 09-10 Batch: WG1834972-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	89				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	90				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	105				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	87				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	72				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	83				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	47				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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): 09-10 QC Batch ID: WG1834972-4 WG1834972-5 QC Sample: L2355164-09 Client ID: EP-17 (5'BGS)												
Perfluorobutanoic Acid (PFBA)	ND	8.01	6.94	87		7.34	92		40-150	6		30
Perfluoropentanoic Acid (PFPeA)	ND	4	3.28	82		3.67	92		40-150	11		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.78	1.55	87		1.56	88		40-150	1		30
Perfluorohexanoic Acid (PFHxA)	ND	2	1.78	89		1.83	91		40-150	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	2	1.62	81		1.61	80		40-150	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.83	1.50	82		1.67	91		40-150	11		30
Perfluorooctanoic Acid (PFOA)	0.063J	2	1.89	91		2.00	97		40-150	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.61	6.82	90		7.08	93		40-150	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.91	1.71	90		1.70	89		40-150	1		30
Perfluorononanoic Acid (PFNA)	ND	2	1.58	79		1.67	83		40-150	6		30
Perfluorooctanesulfonic Acid (PFOS)	0.153J	1.86	1.79	88		1.76	86		40-150	2		30
Perfluorodecanoic Acid (PFDA)	ND	2	1.70	85		1.95	97		40-150	14		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.69	6.81	89		6.88	89		40-150	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	2	1.95	97		1.97	98		40-150	1		30
Perfluoroundecanoic Acid (PFUnA)	ND	2	1.71	85		1.80	90		40-150	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	1.93	1.55	80		1.34	69		40-150	15		30
Perfluorooctanesulfonamide (PFOSA)	ND	2	1.74	87		1.85	92		40-150	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2	1.93	96		1.90	95		40-150	2		30
Perfluorododecanoic Acid (PFDoA)	ND	2	1.70	85		1.75	87		40-150	3		30
Perfluorotridecanoic Acid (PFTrDA)	ND	2	1.48	74		1.49	74		40-150	1		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	2	1.65	82		1.72	86		40-150	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

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): 09-10 QC Batch ID: WG1834972-4 WG1834972-5 QC Sample: L2355164-09 Client ID: EP-17 (5'BGS)

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)	149		**177**	Q	20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	87		86		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	89		88		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	88		89		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91		89		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	74		66		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86		92		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90		86		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81		78		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94		87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90		88		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	96		98		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	66		59		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	40		34		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89		87		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89		86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90		81		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95		90		20-150

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 08:58
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.6	4.58	1	A
Aroclor 1221	ND		ug/kg	51.6	5.17	1	A
Aroclor 1232	ND		ug/kg	51.6	10.9	1	A
Aroclor 1242	ND		ug/kg	51.6	6.96	1	A
Aroclor 1248	ND		ug/kg	51.6	7.74	1	A
Aroclor 1254	ND		ug/kg	51.6	5.65	1	A
Aroclor 1260	ND		ug/kg	51.6	9.54	1	A
Aroclor 1262	ND		ug/kg	51.6	6.56	1	A
Aroclor 1268	ND		ug/kg	51.6	5.35	1	A
PCBs, Total	ND		ug/kg	51.6	4.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:06
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.8	4.87	1	A
Aroclor 1221	ND		ug/kg	54.8	5.49	1	A
Aroclor 1232	ND		ug/kg	54.8	11.6	1	A
Aroclor 1242	ND		ug/kg	54.8	7.39	1	A
Aroclor 1248	ND		ug/kg	54.8	8.22	1	A
Aroclor 1254	ND		ug/kg	54.8	6.00	1	A
Aroclor 1260	ND		ug/kg	54.8	10.1	1	A
Aroclor 1262	ND		ug/kg	54.8	6.96	1	A
Aroclor 1268	ND		ug/kg	54.8	5.68	1	A
PCBs, Total	ND		ug/kg	54.8	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:55
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:14
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.68	1	A
Aroclor 1221	ND		ug/kg	52.7	5.28	1	A
Aroclor 1232	ND		ug/kg	52.7	11.2	1	A
Aroclor 1242	ND		ug/kg	52.7	7.10	1	A
Aroclor 1248	ND		ug/kg	52.7	7.91	1	A
Aroclor 1254	ND		ug/kg	52.7	5.77	1	A
Aroclor 1260	ND		ug/kg	52.7	9.74	1	A
Aroclor 1262	ND		ug/kg	52.7	6.69	1	A
Aroclor 1268	ND		ug/kg	52.7	5.46	1	A
PCBs, Total	ND		ug/kg	52.7	4.68	1	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	69		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:23
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:23
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	5.48	1	A
Aroclor 1232	ND		ug/kg	54.6	11.6	1	A
Aroclor 1242	ND		ug/kg	54.6	7.37	1	A
Aroclor 1248	ND		ug/kg	54.6	8.20	1	A
Aroclor 1254	ND		ug/kg	54.6	5.98	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	72		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:35
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:31
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	71		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:45
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:40
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.4	4.48	1	A
Aroclor 1221	ND		ug/kg	50.4	5.05	1	A
Aroclor 1232	ND		ug/kg	50.4	10.7	1	A
Aroclor 1242	ND		ug/kg	50.4	6.80	1	A
Aroclor 1248	ND		ug/kg	50.4	7.57	1	A
Aroclor 1254	ND		ug/kg	50.4	5.52	1	A
Aroclor 1260	ND		ug/kg	50.4	9.32	1	A
Aroclor 1262	ND		ug/kg	50.4	6.41	1	A
Aroclor 1268	ND		ug/kg	50.4	5.23	1	A
PCBs, Total	ND		ug/kg	50.4	4.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:48
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.1	4.72	1	A
Aroclor 1221	ND		ug/kg	53.1	5.32	1	A
Aroclor 1232	ND		ug/kg	53.1	11.2	1	A
Aroclor 1242	ND		ug/kg	53.1	7.16	1	A
Aroclor 1248	ND		ug/kg	53.1	7.96	1	A
Aroclor 1254	ND		ug/kg	53.1	5.81	1	A
Aroclor 1260	ND		ug/kg	53.1	9.81	1	A
Aroclor 1262	ND		ug/kg	53.1	6.74	1	A
Aroclor 1268	ND		ug/kg	53.1	5.50	1	A
PCBs, Total	ND		ug/kg	53.1	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 09:57
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.68	1	A
Aroclor 1221	ND		ug/kg	52.7	5.28	1	A
Aroclor 1232	ND		ug/kg	52.7	11.2	1	A
Aroclor 1242	ND		ug/kg	52.7	7.11	1	A
Aroclor 1248	ND		ug/kg	52.7	7.91	1	A
Aroclor 1254	ND		ug/kg	52.7	5.77	1	A
Aroclor 1260	ND		ug/kg	52.7	9.74	1	A
Aroclor 1262	ND		ug/kg	52.7	6.70	1	A
Aroclor 1268	ND		ug/kg	52.7	5.46	1	A
PCBs, Total	ND		ug/kg	52.7	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 10:05
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.72	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	7.16	1	A
Aroclor 1248	ND		ug/kg	53.2	7.97	1	A
Aroclor 1254	ND		ug/kg	53.2	5.82	1	A
Aroclor 1260	ND		ug/kg	53.2	9.82	1	A
Aroclor 1262	ND		ug/kg	53.2	6.75	1	A
Aroclor 1268	ND		ug/kg	53.2	5.51	1	A
PCBs, Total	ND		ug/kg	53.2	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/27/23 10:13
Analyst: MEO
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.3	4.91	1	A
Aroclor 1221	ND		ug/kg	55.3	5.54	1	A
Aroclor 1232	ND		ug/kg	55.3	11.7	1	A
Aroclor 1242	ND		ug/kg	55.3	7.46	1	A
Aroclor 1248	ND		ug/kg	55.3	8.30	1	A
Aroclor 1254	ND		ug/kg	55.3	6.05	1	A
Aroclor 1260	ND		ug/kg	55.3	10.2	1	A
Aroclor 1262	ND		ug/kg	55.3	7.03	1	A
Aroclor 1268	ND		ug/kg	55.3	5.73	1	A
PCBs, Total	ND		ug/kg	55.3	4.91	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/02/23 12:07
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 10/01/23 10:03
Cleanup Method: EPA 3665A
Cleanup Date: 10/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/23

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	55		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/27/23 08:40
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 09/26/23 02:54
Cleanup Method: EPA 3665A
Cleanup Date: 09/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-10 Batch: WG1831850-1						
Aroclor 1016	ND		ug/kg	47.1	4.18	A
Aroclor 1221	ND		ug/kg	47.1	4.72	A
Aroclor 1232	ND		ug/kg	47.1	9.99	A
Aroclor 1242	ND		ug/kg	47.1	6.35	A
Aroclor 1248	ND		ug/kg	47.1	7.07	A
Aroclor 1254	ND		ug/kg	47.1	5.16	A
Aroclor 1260	ND		ug/kg	47.1	8.71	A
Aroclor 1262	ND		ug/kg	47.1	5.98	A
Aroclor 1268	ND		ug/kg	47.1	4.88	A
PCBs, Total	ND		ug/kg	47.1	4.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/02/23 11:20
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/01/23 10:03
Cleanup Method: EPA 3665A
Cleanup Date: 10/01/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/02/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12 Batch: WG1834246-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1831850-2 WG1831850-3									
Aroclor 1016	87		89		40-140	2		50	A
Aroclor 1260	74		72		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		87		30-150	A
Decachlorobiphenyl	84		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		91		30-150	B
Decachlorobiphenyl	88		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 12 Batch: WG1834246-2 WG1834246-3									
Aroclor 1016	63		53		40-140	17		50	A
Aroclor 1260	63		54		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		58		30-150	A
Decachlorobiphenyl	74		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		58		30-150	B
Decachlorobiphenyl	85		72		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 14:06
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	0.722	0.322	1	A
Alpha-BHC	ND		ug/kg	0.722	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.657	1	A
Heptachlor	ND		ug/kg	0.866	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.610	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.974	1	A
Endrin	ND		ug/kg	0.722	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.758	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.579	1	A
Endosulfan sulfate	ND		ug/kg	0.722	0.343	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	52		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 14:19
Analyst: JAG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.772	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.811	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.579	1	A
4,4'-DDE	ND		ug/kg	1.85	0.429	1	A
4,4'-DDD	ND		ug/kg	1.85	0.661	1	A
4,4'-DDT	ND		ug/kg	1.85	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.73	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.4	6.14	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
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	55		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:55
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 14:31
Analyst: JAG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	3.21	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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	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	3.21	0.997	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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	60		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:23
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 14:44
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.986	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.767	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	ND		ug/kg	1.75	0.406	1	A
4,4'-DDD	ND		ug/kg	1.75	0.626	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	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.6	5.81	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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	54		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:35
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 14:56
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	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	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	1	A
Endrin	ND		ug/kg	0.712	0.292	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.747	1	A
Endrin ketone	ND		ug/kg	1.71	0.440	1	A
Dieldrin	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	0.927	J	ug/kg	1.71	0.395	1	A
4,4'-DDD	ND	IP	ug/kg	1.71	0.609	1	B
4,4'-DDT	ND		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	0.996	1	A
Toxaphene	ND		ug/kg	32.0	8.97	1	A
cis-Chlordane	ND		ug/kg	2.14	0.595	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:45
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 15:08
Analyst: JAG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.646	1	A
Heptachlor	ND		ug/kg	0.851	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.958	1	A
Endrin	ND		ug/kg	0.709	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.745	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	ND		ug/kg	1.70	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.569	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.338	1	A
Methoxychlor	ND		ug/kg	3.19	0.993	1	A
Toxaphene	ND		ug/kg	31.9	8.94	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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	62		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:00
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 15:21
Analyst: JAG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.328	1	A
Lindane	ND		ug/kg	0.698	0.312	1	A
Alpha-BHC	ND		ug/kg	0.698	0.198	1	A
Beta-BHC	ND		ug/kg	1.67	0.635	1	A
Heptachlor	ND		ug/kg	0.837	0.375	1	A
Aldrin	ND		ug/kg	1.67	0.589	1	A
Heptachlor epoxide	ND		ug/kg	3.14	0.942	1	A
Endrin	ND		ug/kg	0.698	0.286	1	A
Endrin aldehyde	ND		ug/kg	2.09	0.732	1	A
Endrin ketone	ND		ug/kg	1.67	0.431	1	A
Dieldrin	ND		ug/kg	1.05	0.523	1	A
4,4'-DDE	ND		ug/kg	1.67	0.387	1	A
4,4'-DDD	ND		ug/kg	1.67	0.597	1	A
4,4'-DDT	ND		ug/kg	1.67	1.35	1	A
Endosulfan I	ND		ug/kg	1.67	0.396	1	A
Endosulfan II	ND		ug/kg	1.67	0.559	1	A
Endosulfan sulfate	ND		ug/kg	0.698	0.332	1	A
Methoxychlor	ND		ug/kg	3.14	0.977	1	A
Toxaphene	ND		ug/kg	31.4	8.79	1	A
cis-Chlordane	ND		ug/kg	2.09	0.583	1	A
trans-Chlordane	ND		ug/kg	2.09	0.552	1	A
Chlordane	ND		ug/kg	14.0	5.54	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:00
Date Received: 09/20/23
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	55		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:30
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 15:33
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

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	0.713	0.318	1	A
Alpha-BHC	ND		ug/kg	0.713	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	3.21	0.962	1	A
Endrin	ND		ug/kg	0.713	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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.404	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.713	0.339	1	A
Methoxychlor	ND		ug/kg	3.21	0.998	1	A
Toxaphene	ND		ug/kg	32.1	8.98	1	A
cis-Chlordane	ND		ug/kg	2.14	0.596	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:30
Date Received: 09/20/23
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	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:48
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 15:46
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.765	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	ND		ug/kg	1.75	0.404	1	A
4,4'-DDD	ND	IP	ug/kg	1.75	0.623	1	B
4,4'-DDT	ND		ug/kg	1.75	1.40	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.6	5.79	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
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	55		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	48		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/01/23 15:58
Analyst: JAG
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.88	0.369	1	A
Lindane	ND		ug/kg	0.785	0.351	1	A
Alpha-BHC	ND		ug/kg	0.785	0.223	1	A
Beta-BHC	ND		ug/kg	1.88	0.715	1	A
Heptachlor	ND		ug/kg	0.942	0.422	1	A
Aldrin	ND		ug/kg	1.88	0.664	1	A
Heptachlor epoxide	ND		ug/kg	3.53	1.06	1	A
Endrin	ND		ug/kg	0.785	0.322	1	A
Endrin aldehyde	ND		ug/kg	2.36	0.825	1	A
Endrin ketone	ND		ug/kg	1.88	0.485	1	A
Dieldrin	ND		ug/kg	1.18	0.589	1	A
4,4'-DDE	ND		ug/kg	1.88	0.436	1	A
4,4'-DDD	ND		ug/kg	1.88	0.672	1	A
4,4'-DDT	ND		ug/kg	1.88	1.52	1	A
Endosulfan I	ND		ug/kg	1.88	0.445	1	A
Endosulfan II	ND		ug/kg	1.88	0.630	1	A
Endosulfan sulfate	ND		ug/kg	0.785	0.374	1	A
Methoxychlor	ND		ug/kg	3.53	1.10	1	A
Toxaphene	ND		ug/kg	35.3	9.90	1	A
cis-Chlordane	ND		ug/kg	2.36	0.656	1	A
trans-Chlordane	ND		ug/kg	2.36	0.622	1	A
Chlordane	ND		ug/kg	15.7	6.24	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
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	78		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY

Date Collected: 09/20/23 13:15
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/29/23 11:20
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 09/26/23 15:56

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:15
Date Received: 09/20/23
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	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/27/23 10:12
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG1831829-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/27/23 10:12
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 09/25/23 23:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 12 Batch: WG1831829-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/01/23 13:17
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1831979-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/01/23 13:17
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 09/26/23 08:17
Cleanup Method: EPA 3620B
Cleanup Date: 09/27/23
Cleanup Method: EPA 3660B
Cleanup Date: 09/27/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-10 Batch: WG1831979-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	55		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG1831829-2 WG1831829-3									
Delta-BHC	55		59		30-150	6		20	A
Lindane	54		57		30-150	6		20	A
Alpha-BHC	55		59		30-150	8		20	A
Beta-BHC	57		57		30-150	1		20	A
Heptachlor	55		60		30-150	8		20	A
Aldrin	50		55		30-150	9		20	A
Heptachlor epoxide	52		56		30-150	8		20	A
Endrin	54		58		30-150	8		20	A
Endrin aldehyde	43		48		30-150	11		20	A
Endrin ketone	59		64		30-150	7		20	A
Dieldrin	58		62		30-150	8		20	A
4,4'-DDE	51		56		30-150	10		20	A
4,4'-DDD	57		61		30-150	7		20	A
4,4'-DDT	57		62		30-150	8		20	A
Endosulfan I	57		56		30-150	2		20	A
Endosulfan II	55		59		30-150	8		20	A
Endosulfan sulfate	54		58		30-150	8		20	A
Methoxychlor	62		63		30-150	2		20	A
cis-Chlordane	47		51		30-150	9		20	A
trans-Chlordane	55		59		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 12 Batch: WG1831829-2 WG1831829-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	48		52		30-150	A
Decachlorobiphenyl	50		55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		54		30-150	B
Decachlorobiphenyl	49		52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1831979-2 WG1831979-3									
Delta-BHC	68		78		30-150	14		30	A
Lindane	57		69		30-150	19		30	A
Alpha-BHC	60		71		30-150	17		30	A
Beta-BHC	65		81		30-150	22		30	A
Heptachlor	56		67		30-150	18		30	A
Aldrin	57		68		30-150	18		30	A
Heptachlor epoxide	57		68		30-150	18		30	A
Endrin	63		73		30-150	15		30	A
Endrin aldehyde	58		68		30-150	16		30	A
Endrin ketone	70		81		30-150	15		30	A
Dieldrin	65		78		30-150	18		30	A
4,4'-DDE	62		74		30-150	18		30	A
4,4'-DDD	68		80		30-150	16		30	A
4,4'-DDT	64		73		30-150	13		30	A
Endosulfan I	60		72		30-150	18		30	A
Endosulfan II	65		76		30-150	16		30	A
Endosulfan sulfate	59		68		30-150	14		30	A
Methoxychlor	77		90		30-150	16		30	A
cis-Chlordane	58		68		30-150	16		30	A
trans-Chlordane	65		77		30-150	17		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-10 Batch: WG1831979-2 WG1831979-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		60		30-150	A
Decachlorobiphenyl	57		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		58		30-150	B
Decachlorobiphenyl	53		59		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	6480		mg/kg	8.74	2.36	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.37	0.332	2	09/26/23 09:40	09/26/23 20:44	EPA 3050B	1,6010D	TAA
Arsenic, Total	2.48		mg/kg	0.874	0.182	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Barium, Total	56.0		mg/kg	0.874	0.152	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.324	J	mg/kg	0.437	0.029	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.874	0.086	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Calcium, Total	2730		mg/kg	8.74	3.06	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Chromium, Total	11.6		mg/kg	0.874	0.084	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Cobalt, Total	4.44		mg/kg	1.75	0.145	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Copper, Total	11.9		mg/kg	0.874	0.225	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Iron, Total	11600		mg/kg	4.37	0.789	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Lead, Total	40.7		mg/kg	4.37	0.234	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Magnesium, Total	2570		mg/kg	8.74	1.34	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Manganese, Total	314		mg/kg	0.874	0.139	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Mercury, Total	0.111		mg/kg	0.070	0.045	1	09/26/23 10:00	09/27/23 20:36	EPA 7471B	1,7471B	AMW
Nickel, Total	9.01		mg/kg	2.18	0.211	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Potassium, Total	704		mg/kg	218	12.6	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.75	0.225	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.437	0.247	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Sodium, Total	101	J	mg/kg	175	2.75	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Thallium, Total	0.561	J	mg/kg	1.75	0.275	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Vanadium, Total	15.3		mg/kg	0.874	0.177	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA
Zinc, Total	37.5		mg/kg	4.37	0.256	2	09/26/23 09:40	09/26/23 17:02	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:30
Date Received: 09/20/23
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	5130		mg/kg	8.99	2.43	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.49	0.341	2	09/26/23 09:40	09/26/23 20:47	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.67		mg/kg	0.899	0.187	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Barium, Total	30.8		mg/kg	0.899	0.156	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.292	J	mg/kg	0.449	0.030	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.899	0.088	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Calcium, Total	939		mg/kg	8.99	3.14	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Chromium, Total	8.45		mg/kg	0.899	0.086	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.36		mg/kg	1.80	0.149	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Copper, Total	7.17		mg/kg	0.899	0.232	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Iron, Total	9310		mg/kg	4.49	0.811	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Lead, Total	6.97		mg/kg	4.49	0.241	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Magnesium, Total	1830		mg/kg	8.99	1.38	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Manganese, Total	420		mg/kg	0.899	0.143	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.075	0.049	1	09/26/23 10:00	09/27/23 20:39	EPA 7471B	1,7471B	AMW
Nickel, Total	7.60		mg/kg	2.25	0.217	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Potassium, Total	549		mg/kg	225	12.9	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.80	0.232	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.449	0.254	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Sodium, Total	73.1	J	mg/kg	180	2.83	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Thallium, Total	0.504	J	mg/kg	1.80	0.283	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Vanadium, Total	11.7		mg/kg	0.899	0.182	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA
Zinc, Total	19.1		mg/kg	4.49	0.263	2	09/26/23 09:40	09/26/23 17:05	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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	7620		mg/kg	8.74	2.36	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.37	0.332	2	09/26/23 09:40	09/26/23 20:50	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.75		mg/kg	0.874	0.182	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Barium, Total	35.9		mg/kg	0.874	0.152	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.339	J	mg/kg	0.437	0.029	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.874	0.086	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Calcium, Total	1350		mg/kg	8.74	3.06	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Chromium, Total	11.6		mg/kg	0.874	0.084	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.66		mg/kg	1.75	0.145	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Copper, Total	9.33		mg/kg	0.874	0.226	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Iron, Total	10400		mg/kg	4.37	0.789	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Lead, Total	12.6		mg/kg	4.37	0.234	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Magnesium, Total	1920		mg/kg	8.74	1.35	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Manganese, Total	307		mg/kg	0.874	0.139	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.071	0.046	1	09/26/23 10:00	09/27/23 20:43	EPA 7471B	1,7471B	AMW
Nickel, Total	8.52		mg/kg	2.18	0.212	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Potassium, Total	480		mg/kg	218	12.6	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.75	0.226	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.437	0.247	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Sodium, Total	77.3	J	mg/kg	175	2.75	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Thallium, Total	0.390	J	mg/kg	1.75	0.275	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Vanadium, Total	12.8		mg/kg	0.874	0.177	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA
Zinc, Total	23.1		mg/kg	4.37	0.256	2	09/26/23 09:40	09/26/23 17:08	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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	7260		mg/kg	8.55	2.31	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.28	0.325	2	09/26/23 09:40	09/26/23 20:53	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.52		mg/kg	0.855	0.178	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Barium, Total	26.8		mg/kg	0.855	0.149	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.320	J	mg/kg	0.428	0.028	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.855	0.084	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Calcium, Total	779		mg/kg	8.55	2.99	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Chromium, Total	11.1		mg/kg	0.855	0.082	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.58		mg/kg	1.71	0.142	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Copper, Total	6.43		mg/kg	0.855	0.221	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Iron, Total	10100		mg/kg	4.28	0.772	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Lead, Total	6.02		mg/kg	4.28	0.229	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Magnesium, Total	1660		mg/kg	8.55	1.32	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Manganese, Total	218		mg/kg	0.855	0.136	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/26/23 10:00	09/27/23 20:55	EPA 7471B	1,7471B	AMW
Nickel, Total	8.20		mg/kg	2.14	0.207	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Potassium, Total	461		mg/kg	214	12.3	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.71	0.221	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.428	0.242	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Sodium, Total	66.4	J	mg/kg	171	2.69	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Thallium, Total	0.370	J	mg/kg	1.71	0.269	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Vanadium, Total	12.4		mg/kg	0.855	0.174	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA
Zinc, Total	17.0		mg/kg	4.28	0.250	2	09/26/23 09:40	09/26/23 17:11	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	7040		mg/kg	8.50	2.29	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.25	0.323	2	09/26/23 09:40	09/26/23 20:56	EPA 3050B	1,6010D	TAA
Arsenic, Total	2.64		mg/kg	0.850	0.177	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Barium, Total	51.5		mg/kg	0.850	0.148	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.344	J	mg/kg	0.425	0.028	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.095	J	mg/kg	0.850	0.083	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Calcium, Total	5400		mg/kg	8.50	2.97	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Chromium, Total	11.2		mg/kg	0.850	0.082	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.96		mg/kg	1.70	0.141	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Copper, Total	14.0		mg/kg	0.850	0.219	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Iron, Total	10500		mg/kg	4.25	0.767	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Lead, Total	45.8		mg/kg	4.25	0.228	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Magnesium, Total	3180		mg/kg	8.50	1.31	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Manganese, Total	308		mg/kg	0.850	0.135	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Mercury, Total	0.098		mg/kg	0.071	0.046	1	09/26/23 10:00	09/27/23 20:58	EPA 7471B	1,7471B	AMW
Nickel, Total	8.62		mg/kg	2.12	0.206	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Potassium, Total	636		mg/kg	212	12.2	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.70	0.219	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.425	0.240	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Sodium, Total	137	J	mg/kg	170	2.68	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Thallium, Total	0.530	J	mg/kg	1.70	0.268	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Vanadium, Total	14.7		mg/kg	0.850	0.172	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA
Zinc, Total	49.7		mg/kg	4.25	0.249	2	09/26/23 09:40	09/26/23 17:14	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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	5430		mg/kg	8.61	2.32	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.30	0.327	2	09/26/23 09:40	09/26/23 20:59	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.06		mg/kg	0.861	0.179	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Barium, Total	42.1		mg/kg	0.861	0.150	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.276	J	mg/kg	0.430	0.028	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.861	0.084	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Calcium, Total	550		mg/kg	8.61	3.01	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Chromium, Total	8.02		mg/kg	0.861	0.083	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Cobalt, Total	2.97		mg/kg	1.72	0.143	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Copper, Total	4.34		mg/kg	0.861	0.222	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Iron, Total	7840		mg/kg	4.30	0.777	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Lead, Total	3.52	J	mg/kg	4.30	0.231	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Magnesium, Total	1400		mg/kg	8.61	1.32	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Manganese, Total	261		mg/kg	0.861	0.137	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.070	0.045	1	09/26/23 10:00	09/27/23 21:02	EPA 7471B	1,7471B	AMW
Nickel, Total	6.23		mg/kg	2.15	0.208	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Potassium, Total	338		mg/kg	215	12.4	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Selenium, Total	ND		mg/kg	1.72	0.222	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.430	0.244	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Sodium, Total	114	J	mg/kg	172	2.71	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Thallium, Total	0.427	J	mg/kg	1.72	0.271	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Vanadium, Total	8.79		mg/kg	0.861	0.175	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA
Zinc, Total	14.9		mg/kg	4.30	0.252	2	09/26/23 09:40	09/26/23 17:17	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:00
Date Received: 09/20/23
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	6980		mg/kg	8.26	2.23	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.13	0.314	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Arsenic, Total	3.14		mg/kg	0.826	0.172	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Barium, Total	49.8		mg/kg	0.826	0.144	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.433		mg/kg	0.413	0.027	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.082	J	mg/kg	0.826	0.081	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Calcium, Total	5390		mg/kg	8.26	2.89	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Chromium, Total	12.7		mg/kg	0.826	0.079	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Cobalt, Total	4.49		mg/kg	1.65	0.137	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Copper, Total	16.1		mg/kg	0.826	0.213	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Iron, Total	13000		mg/kg	4.13	0.746	2	09/26/23 09:40	09/26/23 21:02	EPA 3050B	1,6010D	TAA
Lead, Total	40.3		mg/kg	4.13	0.221	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Magnesium, Total	3140		mg/kg	8.26	1.27	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Manganese, Total	363		mg/kg	0.826	0.131	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Mercury, Total	0.129		mg/kg	0.069	0.045	1	09/26/23 10:00	09/27/23 21:05	EPA 7471B	1,7471B	AMW
Nickel, Total	9.02		mg/kg	2.06	0.200	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Potassium, Total	681		mg/kg	206	11.9	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Selenium, Total	0.292	J	mg/kg	1.65	0.213	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.413	0.234	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Sodium, Total	144	J	mg/kg	165	2.60	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Thallium, Total	0.612	J	mg/kg	1.65	0.260	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Vanadium, Total	19.0		mg/kg	0.826	0.168	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA
Zinc, Total	49.1		mg/kg	4.13	0.242	2	09/26/23 09:40	09/26/23 18:03	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:30
Date Received: 09/20/23
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	7220		mg/kg	8.50	2.30	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.25	0.323	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Arsenic, Total	3.30		mg/kg	0.850	0.177	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Barium, Total	63.8		mg/kg	0.850	0.148	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.389	J	mg/kg	0.425	0.028	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.157	J	mg/kg	0.850	0.083	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Calcium, Total	6290		mg/kg	8.50	2.98	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Chromium, Total	13.0		mg/kg	0.850	0.082	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.89		mg/kg	1.70	0.141	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Copper, Total	17.6		mg/kg	0.850	0.219	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Iron, Total	9120		mg/kg	4.25	0.768	2	09/26/23 09:40	09/26/23 21:05	EPA 3050B	1,6010D	TAA
Lead, Total	75.0		mg/kg	4.25	0.228	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Magnesium, Total	2760		mg/kg	8.50	1.31	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Manganese, Total	342		mg/kg	0.850	0.135	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Mercury, Total	0.172		mg/kg	0.072	0.047	1	09/26/23 10:00	09/27/23 21:08	EPA 7471B	1,7471B	AMW
Nickel, Total	9.20		mg/kg	2.13	0.206	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Potassium, Total	592		mg/kg	213	12.2	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Selenium, Total	0.264	J	mg/kg	1.70	0.219	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.425	0.241	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Sodium, Total	307		mg/kg	170	2.68	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Thallium, Total	0.563	J	mg/kg	1.70	0.268	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Vanadium, Total	16.4		mg/kg	0.850	0.173	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA
Zinc, Total	84.6		mg/kg	4.25	0.249	2	09/26/23 09:40	09/26/23 18:06	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 11:48
Date Received: 09/20/23
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	5950		mg/kg	8.44	2.28	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.22	0.321	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Arsenic, Total	2.71		mg/kg	0.844	0.176	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Barium, Total	60.1		mg/kg	0.844	0.147	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.332	J	mg/kg	0.422	0.028	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Cadmium, Total	0.122	J	mg/kg	0.844	0.083	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Calcium, Total	4740		mg/kg	8.44	2.95	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Chromium, Total	10.9		mg/kg	0.844	0.081	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.38		mg/kg	1.69	0.140	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Copper, Total	14.3		mg/kg	0.844	0.218	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Iron, Total	8320		mg/kg	4.22	0.762	2	09/26/23 09:40	09/26/23 21:28	EPA 3050B	1,6010D	TAA
Lead, Total	49.4		mg/kg	4.22	0.226	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Magnesium, Total	2080		mg/kg	8.44	1.30	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Manganese, Total	354		mg/kg	0.844	0.134	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Mercury, Total	0.115		mg/kg	0.071	0.046	1	09/26/23 10:00	09/27/23 21:12	EPA 7471B	1,7471B	AMW
Nickel, Total	7.79		mg/kg	2.11	0.204	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Potassium, Total	504		mg/kg	211	12.2	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Selenium, Total	0.496	J	mg/kg	1.69	0.218	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.422	0.239	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Sodium, Total	120	J	mg/kg	169	2.66	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Thallium, Total	0.458	J	mg/kg	1.69	0.266	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Vanadium, Total	13.7		mg/kg	0.844	0.171	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA
Zinc, Total	80.2		mg/kg	4.22	0.247	2	09/26/23 09:40	09/26/23 18:09	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4820		mg/kg	9.18	2.48	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Antimony, Total	ND		mg/kg	4.59	0.349	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Arsenic, Total	1.67		mg/kg	0.918	0.191	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Barium, Total	22.2		mg/kg	0.918	0.160	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Beryllium, Total	0.281	J	mg/kg	0.459	0.030	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Cadmium, Total	ND		mg/kg	0.918	0.090	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Calcium, Total	1880		mg/kg	9.18	3.21	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Chromium, Total	7.55		mg/kg	0.918	0.088	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Cobalt, Total	3.20		mg/kg	1.84	0.152	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Copper, Total	6.58		mg/kg	0.918	0.237	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Iron, Total	7900		mg/kg	4.59	0.829	2	09/26/23 09:40	09/26/23 21:31	EPA 3050B	1,6010D	TAA
Lead, Total	6.00		mg/kg	4.59	0.246	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Magnesium, Total	2400		mg/kg	9.18	1.41	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Manganese, Total	217		mg/kg	0.918	0.146	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Mercury, Total	ND		mg/kg	0.077	0.050	1	09/26/23 10:00	09/27/23 21:15	EPA 7471B	1,7471B	AMW
Nickel, Total	7.39		mg/kg	2.30	0.222	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Potassium, Total	512		mg/kg	230	13.2	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Selenium, Total	0.256	J	mg/kg	1.84	0.237	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Silver, Total	ND		mg/kg	0.459	0.260	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Sodium, Total	92.2	J	mg/kg	184	2.89	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Thallium, Total	0.403	J	mg/kg	1.84	0.289	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Vanadium, Total	10.2		mg/kg	0.918	0.186	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA
Zinc, Total	16.4		mg/kg	4.59	0.269	2	09/26/23 09:40	09/26/23 18:12	EPA 3050B	1,6010D	TAA

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-12
Client ID: FB 2023-09-20
Sample Location: BRONX, NY
Date Collected: 09/20/23 13:15
Date Received: 09/20/23
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	ND		mg/l	0.0100	0.00327	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Antimony, Total	0.00043	J	mg/l	0.00400	0.00042	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Barium, Total	0.00051		mg/l	0.00050	0.00017	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Calcium, Total	0.0807	J	mg/l	0.100	0.0394	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Chromium, Total	0.00026	J	mg/l	0.00100	0.00017	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/27/23 06:15	09/27/23 16:49	EPA 7470A	1,7470A	AMW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Sodium, Total	0.312		mg/l	0.100	0.0293	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Thallium, Total	0.00028	J	mg/l	0.00100	0.00014	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/23/23 07:28	10/03/23 17:02	EPA 3005A	1,6020B	EJF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

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): 01-10 Batch: WG1830327-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/26/23 09:40	09/26/23 20:38	1,6010D	TAA
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Iron, Total	ND		mg/kg	2.00	0.361	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Sodium, Total	1.88	J	mg/kg	80.0	1.26	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/26/23 09:40	09/26/23 15:29	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/26/23 09:40	09/26/23 15:29	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): 01-10 Batch: WG1830328-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/26/23 10:00	09/27/23 14:24	1,7471B	AMW

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

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: WG1830888-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	09/23/23 07:28	09/25/23 13:57	1,6020B	EJF

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2355164
Report Date: 10/10/23

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: WG1832418-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	09/27/23 06:15	09/27/23 16:22	1,7470A	AMW

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1830327-2 SRM Lot Number: D119-540								
Aluminum, Total	76		-		48-152	-		
Antimony, Total	172		-		10-190	-		
Arsenic, Total	100		-		83-117	-		
Barium, Total	102		-		82-118	-		
Beryllium, Total	105		-		83-117	-		
Cadmium, Total	99		-		82-117	-		
Calcium, Total	98		-		81-118	-		
Chromium, Total	104		-		82-119	-		
Cobalt, Total	103		-		83-117	-		
Copper, Total	103		-		84-116	-		
Iron, Total	104		-		60-140	-		
Lead, Total	106		-		82-118	-		
Magnesium, Total	92		-		76-124	-		
Manganese, Total	113		-		82-118	-		
Nickel, Total	102		-		82-117	-		
Potassium, Total	92		-		70-130	-		
Selenium, Total	103		-		79-121	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	104		-		74-126	-		
Thallium, Total	101		-		81-119	-		
Vanadium, Total	100		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1830327-2 SRM Lot Number: D119-540					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-10 Batch: WG1830328-2 SRM Lot Number: D119-540					
Mercury, Total	111	-	73-127	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1830888-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	104	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	84	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	107	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	92	-	80-120	-	
Manganese, Total	99	-	80-120	-	
Nickel, Total	102	-	80-120	-	
Potassium, Total	93	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	91	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1830888-2					
Zinc, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 12 Batch: WG1832418-2					
Mercury, Total	92	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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): 01-10 QC Batch ID: WG1830327-3 QC Sample: L2354921-01 Client ID: MS Sample												
Aluminum, Total	4740	184	5170	**234**	Q	-	-		75-125	-		20
Antimony, Total	1.83J	45.9	48.8	106		-	-		75-125	-		20
Arsenic, Total	10.1	11	20.6	95		-	-		75-125	-		20
Barium, Total	19.1	184	198	97		-	-		75-125	-		20
Beryllium, Total	0.618	4.59	5.39	104		-	-		75-125	-		20
Cadmium, Total	0.158J	4.86	4.51	93		-	-		75-125	-		20
Calcium, Total	1020	918	1990	106		-	-		75-125	-		20
Chromium, Total	71.5	18.4	88.1	90		-	-		75-125	-		20
Cobalt, Total	1.97	45.9	45.0	94		-	-		75-125	-		20
Copper, Total	7.66	22.9	33.6	113		-	-		75-125	-		20
Iron, Total	25600	91.8	24300	**0**	Q	-	-		75-125	-		20
Lead, Total	24.9	48.6	68.5	90		-	-		75-125	-		20
Magnesium, Total	987	918	2120	123		-	-		75-125	-		20
Manganese, Total	68.5	45.9	99.2	**67**	Q	-	-		75-125	-		20
Nickel, Total	4.67	45.9	46.9	92		-	-		75-125	-		20
Potassium, Total	2520	918	4650	**232**	Q	-	-		75-125	-		20
Selenium, Total	0.473J	11	11.7	106		-	-		75-125	-		20
Silver, Total	ND	4.59	3.66	80		-	-		75-125	-		20
Sodium, Total	15.9J	918	958	104		-	-		75-125	-		20
Thallium, Total	0.287J	11	10.8	98		-	-		75-125	-		20
Vanadium, Total	63.6	45.9	99.7	79		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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): 01-10 QC Batch ID: WG1830327-3 QC Sample: L2354921-01 Client ID: MS Sample										
Zinc, Total	28.2	45.9	68.3	87		-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1830328-3 QC Sample: L2354921-01 Client ID: MS Sample										
Mercury, Total	ND	1.51	1.97	**130**	Q	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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: WG1830888-3 QC Sample: L2355520-01 Client ID: MS Sample										
Aluminum, Total	0.0582	2	2.02	98		-	-	75-125	-	20
Antimony, Total	0.0006J	0.5	0.5659	113		-	-	75-125	-	20
Arsenic, Total	0.00068	0.12	0.1373	114		-	-	75-125	-	20
Barium, Total	0.5012	2	2.547	102		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.04693	94		-	-	75-125	-	20
Cadmium, Total	0.00021	0.053	0.05517	104		-	-	75-125	-	20
Calcium, Total	915	10	968	**530**	Q	-	-	75-125	-	20
Chromium, Total	0.3850	0.2	0.6445	**130**	Q	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.5092	102		-	-	75-125	-	20
Copper, Total	0.00773	0.25	0.2651	103		-	-	75-125	-	20
Iron, Total	0.276	1	1.30	102		-	-	75-125	-	20
Lead, Total	0.00741	0.53	0.5567	104		-	-	75-125	-	20
Magnesium, Total	0.070	10	9.44	94		-	-	75-125	-	20
Manganese, Total	0.0011	0.5	0.5053	101		-	-	75-125	-	20
Nickel, Total	ND	0.5	0.5023	100		-	-	75-125	-	20
Potassium, Total	895	10	704	**0**	Q	-	-	75-125	-	20
Selenium, Total	0.00371J	0.12	0.124	103		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05367	107		-	-	75-125	-	20
Sodium, Total	192	10	207	**150**	Q	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.1165	97		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5010	100		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

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: WG1830888-3 QC Sample: L2355520-01 Client ID: MS Sample									
Zinc, Total	0.01109	0.5	0.4860	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1832418-3 WG1832418-4 QC Sample: L2353353-06 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00452	90	0.00468	94	75-125	4	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1830327-4 QC Sample: L2354921-01 Client ID: DUP Sample						
Arsenic, Total	10.1	8.73	mg/kg	15		20
Barium, Total	19.1	17.4	mg/kg	9		20
Cadmium, Total	0.158J	0.139J	mg/kg	NC		20
Chromium, Total	71.5	66.4	mg/kg	7		20
Lead, Total	24.9	28.0	mg/kg	12		20
Selenium, Total	0.473J	0.424J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1830328-4 QC Sample: L2354921-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1830888-4 QC Sample: L2355520-01 Client ID: DUP Sample					
Aluminum, Total	0.0582	0.0590	mg/l	1	20
Arsenic, Total	0.00068	0.00068	mg/l	1	20
Barium, Total	0.5012	0.5041	mg/l	1	20
Cadmium, Total	0.00021	0.00022	mg/l	6	20
Chromium, Total	0.3850	0.3897	mg/l	1	20
Copper, Total	0.00773	0.00774	mg/l	0	20
Lead, Total	0.00741	0.00747	mg/l	1	20
Selenium, Total	0.00371J	0.00396J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.01109	0.01128	mg/l	2	20
Total Metals - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1830888-4 QC Sample: L2355520-01 Client ID: DUP Sample					
Cobalt, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-01
Client ID: EP-32 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:15
Date Received: 09/20/23
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	90.1		%	0.100	NA	1	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-02
Client ID: EP-36 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:30
Date Received: 09/20/23
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	84.3		%	0.100	NA	1	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-03
Client ID: EP-13 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 09:55
Date Received: 09/20/23
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	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-04
Client ID: EP-12 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:23
Date Received: 09/20/23
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	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-05
Client ID: EP-08 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:35
Date Received: 09/20/23
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	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-06
Client ID: EP-11 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 10:45
Date Received: 09/20/23
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	91.6		%	0.100	NA	1	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-07
Client ID: EP-09 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:00
Date Received: 09/20/23
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	91.6		%	0.100	NA	1	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-08
Client ID: EP-15 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:30
Date Received: 09/20/23
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	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-09
Client ID: EP-17 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 11:48
Date Received: 09/20/23
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	89.5		%	0.100	NA	1	-	09/21/23 11:07	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

SAMPLE RESULTS

Lab ID: L2355164-10
Client ID: EP-37 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 09/20/23 12:05
Date Received: 09/20/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	09/21/23 12:13	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2355164

Report Date: 10/10/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-09 QC Batch ID: WG1830151-1 QC Sample: L2355111-01 Client ID: DUP Sample						
Solids, Total	67.3	67.1	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 10 QC Batch ID: WG1830154-1 QC Sample: L2355126-01 Client ID: DUP Sample						
Solids, Total	91.3	91.8	%	1		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent
C	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355164-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-01B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-01C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-01D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2355164-01F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-02B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-02C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-02D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2355164-02F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-03B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-03C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	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(*)
L2355164-03D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2355164-03F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-04B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-04C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-04D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2355164-04F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-05A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-05B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-05C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-05D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2355164-05F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-06A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-06B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-06C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-06D	Plastic 2oz unpreserved for TS	A	NA		3.0	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(*)
L2355164-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2355164-06F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-07A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-07B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-07C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-07D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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),ZN-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2355164-07F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-08A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-08B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-08C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-08D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	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),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2355164-08F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-09A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-09B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-09C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-09D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355164-09E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2355164-09F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-09G	Plastic 8oz unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2355164-09H	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L2355164-10A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2355164-10B	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-10C	Vial water preserved	A	NA		3.0	Y	Absent	21-SEP-23 08:02	NYTCL-8260HLW(14)
L2355164-10D	Plastic 2oz unpreserved for TS	A	NA		3.0	Y	Absent		TS(7)
L2355164-10E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2355164-10F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2355164-10G	Plastic 8oz unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2355164-10H	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L2355164-11A	Plastic 950ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2355164-11B	Plastic 500ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2355164-11C	Plastic 950ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2355164-11D	Plastic 500ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2355164-12A	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2355164-12B	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2355164-12C	Vial HCl preserved	C	NA		3.2	Y	Absent		NYTCL-8260(14)
L2355164-12D	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8081(7)
L2355164-12E	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8081(7)
L2355164-12F	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8082-LVI(365)
L2355164-12G	Amber 120ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2355164
Report Date: 10/10/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2355164-12H	Plastic 250ml HNO3 preserved	C	<2	<2	3.2	Y	Absent		BA-6020T(180),SE-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),CR-6020T(180),K-6020T(180),CA-6020T(180),CU-6020T(180),ZN-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),V-6020T(180),SB-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),AG-6020T(180),HG-T(28),CO-6020T(180)
L2355164-12I	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2355164-12J	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2355164-12K	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2355164-12L	Amber 250ml unpreserved	C	7	7	3.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2355164-13A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L2355164-13B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

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Lab Number: L2355164
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PFAS PARAMETER SUMMARY

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

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PFAS PARAMETER SUMMARY

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

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GLOSSARY

Acronyms

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

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Data Qualifiers

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

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

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REFERENCES

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

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

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

LIMITATION OF LIABILITIES

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 2

Date Rec'd in Lab: 9/21/23

ALPHA Job #: L2355164

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
55164-01	EP-32 (5' bgs)	9/20/23	9:15	S	JN	X	X	X	X	X					
02	EP-36 (5' bgs)		9:30												
03	EP-13 (5' bgs)		9:55												
04	EP-12 (5' bgs)		10:23												
05	EP-08 (5' bgs)		10:35												
06	EP-11 (5' bgs)		10:45												
07	EP-09 (5' bgs)		11:00												
08	EP-15 (5' bgs)		11:30												
09	EP-17 (5' bgs)		11:48								X				
10	EP-37 (5' bgs)	↓	12:05	↓	↓	↓	↓	↓	↓	↓	X				
	Container Type					V	G	G	G	G	P				
	Preservative							A	A						

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
I/E = Zn Ac/NaOH
J = 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
Jazlyn Natalie (GZA)	9/20/23 13:56		9-20-23 1355
	9-20-23 1936	Anthony Green	SEP 20 2023 2052
Anthony Green	9/21/23 0100		9/21/23 0100
	9/21/23 0300		9/21/23 0300

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: 9/21/23

ALPHA Job #: L2355164

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081 / 8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
55164-11	FB PFAS 2023-09-20	9/20/23	13:10	W	JN						X				
12	FB 2023-09-20	↓	13:15	↓	↓	X	X	X	X	X					
13	TB 2023-09-20	↓	-	↓	↓	X	X	X	X	X	X				

Container Type	V	A	P	A	A	P			
Preservative	B		C						

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	9/20/23 13:56	(ALPHA)	9-20-23 1556
(ALPHA)	9-20-23 1936	Anthony Green	SEP 20 2023 2052
Anthony Green	9/21/23 0100		9/21/23 0100
	9/21/23 0300		9/21/23 0300

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)

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: November 29, 2023

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the endpoint (EP) sample results taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached). As shown on Drawing 1, 38 of the proposed 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

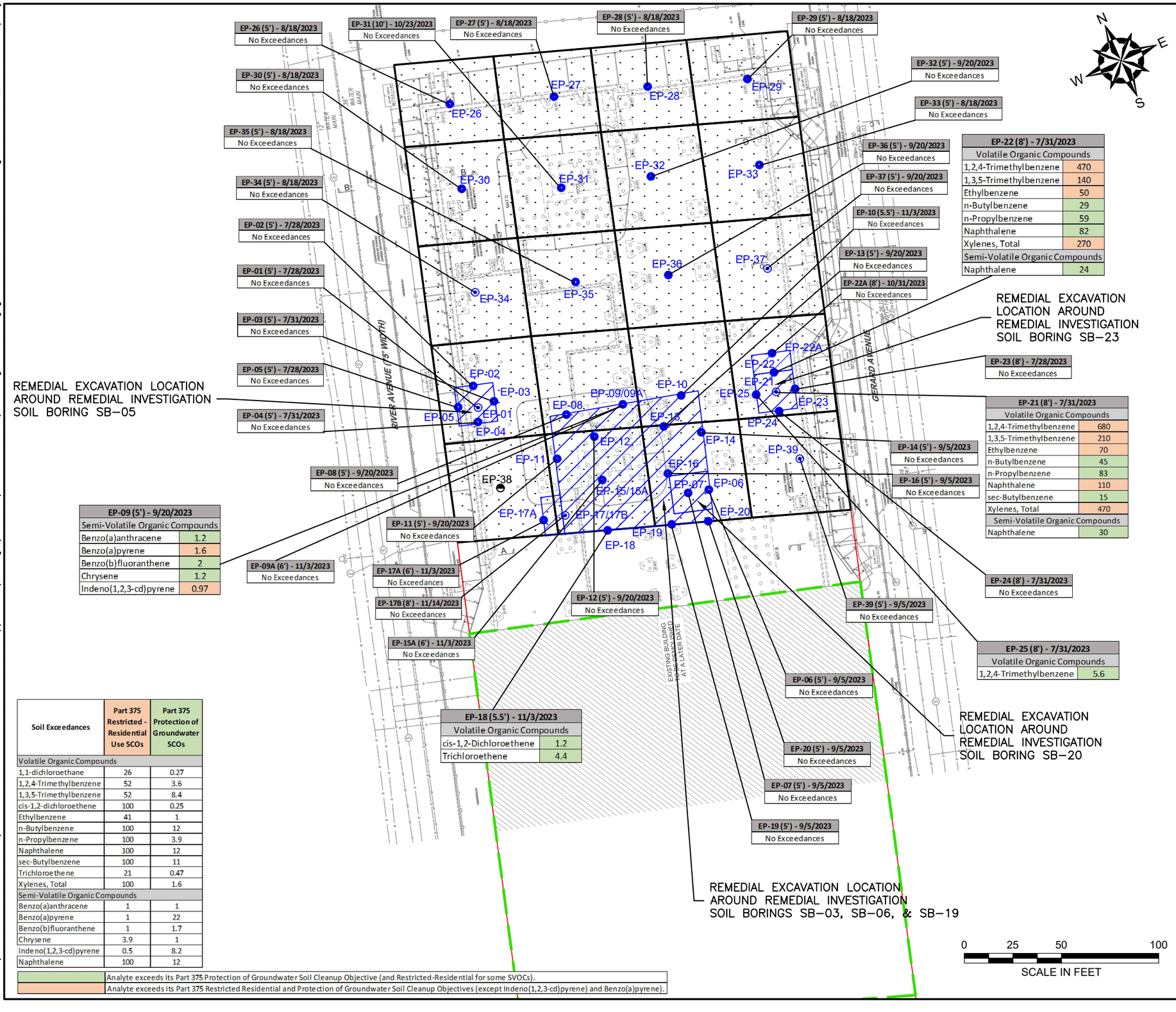
The samples EP-09A, EP-10, EP-15A, EP-17A, EP-17B, EP-18, EP-22A and EP-31 were collected from 5.5 to 10 feet below ground surface (bgs), which corresponds to the depth of excavation during the IRM in these areas. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Samples
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Samples
- Table 3: Total Metals in Endpoint Soil Samples
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared the soil cleanup objectives (SCOs). Note that EP-18 sample exceeded the target SCOs, however due to its proximity to the fence line, the area will be over excavated after the completion of the building demolition.

This memorandum also transmits to the NYSDEC the laboratory reports (Project ID No. L2362844, L2364575, L2365609, and L2367513) that were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

FIGURES



Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
1,1-dichloroethane	26	0.27
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
cis-1,2-dichloroethene	100	0.25
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Trichloroethene	21	0.47
Xylenes, Total	100	1.6
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2
Naphthalene	100	12

	Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).
	Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives (except Indeno(1,2,3-cd)pyrene) and Benzo(a)pyrene).

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 — COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS
- EP-10 — PROPOSED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP
(NOVEMBER 29, 2023)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: NOVEMBER 2023	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM_Nov] November 29, 2023 – 2:02pm jackson.b

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00044	U	0.00022	J	0.00047	U	0.00058	U	0.00053	U	0.59		0.00043	U	0.00028	J
1,1,2,2-Tetrachloroethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,1,2-Trichloroethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,1-Dichloroethane	0.27	26	0.27	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.2		0.00086	U	0.00081	U
1,1-Dichloroethene	0.33	100	0.33	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,1-Dichloropropene	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,2,3-Trichlorobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,3-Trichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4-Trichlorobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0026	U	0.0028	U	0.0028	U	0.0034	U	0.0032	U	0.19	U	0.0026	U	0.0024	U
1,2-Dibromoethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,2-Dichloroethene, Total	--	--	--	0.00088	U	0.00093	U	0.00049	J	0.0012	U	0.00099	J	1.2	J	0.00026	J	0.00013	J
1,2-Dichloropropane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,3-Dichloropropene, Total	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
1,4-Dioxane	0.1	13	0.1	0.07	U	0.075	U	0.075	U	0.092	U	0.086	U	5	U	0.069	U	0.065	U
2,2-Dichloropropane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
2-Butanone	0.12	100	0.12	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
2-Hexanone	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
4-Methyl-2-pentanone	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Acetone	0.05	100	0.05	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Acrylonitrile	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Benzene	0.06	4.8	0.06	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Bromobenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Bromochloromethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Bromodichloromethane	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Bromoform	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Bromomethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Carbon disulfide	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Carbon tetrachloride	0.76	2.4	0.76	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Chlorobenzene	1.1	100	1.1	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Chloroethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Chloroform	0.37	49	0.37	0.0013	U	0.0014	U	0.0014	U	0.0017	U	0.00037	J	0.093	U	0.0013	U	0.0012	U
Chloromethane	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00088	U	0.00093	U	0.00049	J	0.0012	U	0.00099	J	**1.2**		0.00086	U	0.00081	U
cis-1,3-Dichloropropene	--	--	--	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.031	U	0.00043	U	0.0004	U
Dibromochloromethane	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Dibromomethane	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Dichlorodifluoromethane	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Ethyl ether	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Ethylbenzene	1	41	1	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Hexachlorobutadiene	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Isopropylbenzene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Methyl tert butyl ether	0.93	100	0.93	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Methylene chloride	0.05	100	0.05	0.0044	U	0.0047	U	0.0047	U	0.0058	U	0.0053	U	0.31	U	0.0043	U	0.004	U
n-Butylbenzene	12	100	12	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0043	U	0.062	U	0.00086	U	0.00081	U
n-Propylbenzene	3.9	100	3.9	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Naphthalene	12	100	12	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0011	U	0.25	U	0.0035	U	0.0011	J
o-Chlorotoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
o-Xylene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
p-Chlorotoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Diethylbenzene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Ethyltoluene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
p-Isopropyltoluene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0021	U	0.062	U	0.00086	U	0.00081	U
p/m-Xylene	--	--	--	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0011	U	0.12	U	0.0017	U	0.0016	U
sec-Butylbenzene	11	100	11	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Styrene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.0019	U	0.0019	U	0.0023	U	0.0021	U	0.12	U	0.0017	U	0.0016	U
Tetrachloroethene	1.3	19	1.3	0.00044	U	0.00047	U	0.00047	U	0.00058	U	0.00053	U	0.025	J	0.00043	U	0.0004	U
Toluene	0.7	100	0.7	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0014	U	0.0014	U	0.0017	U	0.0016	U	0.014	J	0.00026	J	0.00013	J
trans-1,3-Dichloropropene	--	--	--	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0044	U	0.0047	U	0.0047	U	0.0058	U	0.0053	U	0.31	U	0.0043	U	0.004	U
Trichloroethene	0.47	21	0.47	0.00044	U	0.00032	J	0.00099		0.00058	U	0.0026		**4.4**		0.00043	U	0.0004	U
Trichlorofluoromethane	--	--	--	0.0035	U	0.0037	U	0.0038	U	0.0046	U	0.0043	U	0.25	U	0.0035	U	0.0032	U
Vinyl acetate	--	--	--	0.0088	U	0.0093	U	0.0094	U	0.012	U	0.011	U	0.62	U	0.0086	U	0.0081	U
Vinyl chloride	0.02	0.9	0.02	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U
Xylenes, Total	0.26	100	1.6	0.00088	U	0.00093	U	0.00094	U	0.0012	U	0.0011	U	0.062	U	0.00086	U	0.00081	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
1,4-Dioxane	0.1	13	0.1	0.026	U	0.027	U	0.029	U	0.03	U	0.027	U	0.027	U	0.028	U	0.031	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,4,6-Trichlorophenol	--	--	--	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,4-Dinitrophenol	--	--	--	0.84	U	0.87	U	0.92	U	0.94	U	0.86	U	0.87	U	0.89	U	1	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Methylnaphthalene	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.22	U	0.22	U	0.22	U	0.25	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
2-Nitrophenol	--	--	--	0.38	U	0.39	U	0.41	U	0.42	U	0.39	U	0.39	U	0.4	U	0.45	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.25	U	0.26	U	0.28	U	0.28	U	0.26	U	0.26	U	0.27	U	0.3	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.47	U	0.5	U	0.51	U	0.47	U	0.47	U	0.48	U	0.54	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
4-Nitrophenol	--	--	--	0.24	U	0.25	U	0.27	U	0.28	U	0.25	U	0.25	U	0.26	U	0.29	U
Acenaphthene	20	100	98	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Acenaphthylene	100	1000	107	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.03	J	0.15	U	0.035	J
Acetophenone	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Anthracene	100	100	1000	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.059	J	0.11	U	0.12	U
Benzo(a)anthracene	1	1	1	0.026	J	0.048	J	0.084	J	0.12	U	0.11	U	0.22		0.11	U	0.12	U
Benzo(a)pyrene	1	1	22	0.14	U	0.051	J	0.1	J	0.16	U	0.14	U	0.27		0.15	U	0.17	U
Benzo(b)fluoranthene	1	1	1.7	0.029	J	0.054	J	0.12		0.12	U	0.11	U	0.28		0.11	U	0.12	U
Benzo(ghi)perylene	100	100	1000	0.14	U	0.031	J	0.06	J	0.16	U	0.14	U	0.15		0.15	U	0.17	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.1	U	0.11	U	0.037	J	0.12	U	0.11	U	0.1	J	0.11	U	0.12	U
Benzoic Acid	--	--	--	0.57	U	0.59	U	0.62	U	0.64	U	0.58	U	0.58	U	0.6	U	0.67	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Biphenyl	--	--	--	0.4	U	0.41	U	0.44	U	0.45	U	0.41	U	0.41	U	0.42	U	0.47	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.21	U	0.21	U	0.19	U	0.2	U	0.2	U	0.22	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.23	U	0.24	U	0.22	U	0.22	U	0.22	U	0.25	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Carbazole	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.02	J	0.19	U	0.21	U
Chrysene	1	3.9	1	0.022	J	0.045	J	0.082	J	0.12	U	0.11	U	0.28		0.11	U	0.12	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.11	U	0.18	U	0.19	U	0.21	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.1	U	0.11	U	0.11	U	0.12	U	0.18	U	0.033	J	0.11	U	0.12	U
Dibenzofuran	7	59	210	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Fluoranthene	100	100	1000	0.042	J	0.086	J	0.15		0.12	U	0.11	U	0.39		0.11	U	0.12	U
Fluorene	30	100	386	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Hexachlorobenzene	0.33	1.2	3.2	0.1	U	0.11	U	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.12	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Hexachlorocyclopentadiene	--	--	--	0.5	U	0.52	U	0.55	U	0.56	U	0.51	U	0.52	U	0.53	U	0.59	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.032	J	0.062	J	0.16	U	0.14	U	0.15		0.15	U	0.17	U
Isophorone	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Naphthalene	12	100	12	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Nitrobenzene	--	--	--	0.16	U	0.16	U	0.17	U	0.18	U	0.16	U	0.16	U	0.17	U	0.19	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.14	U	0.15	U	0.16	U	0.14	U	0.14	U	0.15	U	0.17	U
Phenanthrene	100	100	1000	0.023	J	0.067	J	0.097	J	0.12	U	0.11	U	0.22		0.11	U	0.12	U
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.19	U	0.2	U	0.18	U	0.18	U	0.19	U	0.21	U
Pyrene	100	100	1000	0.043	J	0.09	J	0.15		0.12	U	0.11	U	0.42		0.11	U	0.12	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	5950		5470		6970		6430		6040		7270		5460		4170	
Antimony, Total	--	--	--	4.08	U	4.34	U	4.68	U	4.71	U	4.3	U	4.22	U	4.55	U	26	
Arsenic, Total	13	16	16	1.52		1.73		4.76		1.26		1.17		4.65		1.2		0.962	J
Barium, Total	350	400	820	25.2		28		78.4		26.5		23.6		61.9		23.7		15.7	
Beryllium, Total	7.2	72	47	0.319	J	0.296	J	0.369	J	0.34	J	0.264	J	0.412	J	0.312	J	0.215	J
Cadmium, Total	2.5	4.3	7.5	0.817	U	0.867	U	0.937	U	0.942	U	0.86	U	0.844	U	0.91	U	0.97	U
Calcium, Total	--	--	--	1800		1430		3030		574		458		4620		574		395	
Chromium, Total*	1	180	--	8.14		11.8		11.7		8.49		8.16		13.3		8.45		6.59	
Colbalt, Total	--	--	--	3.38		4.03		3.7		3.28		4.54		3.1		3.68		2.68	
Copper, Total	50	270	1720	7.11		9.62		23.1		5.83		5.7		10.7		7.15		5.41	
Iron, Total	--	--	--	9080		9310		9980		9490		8380		9310		9780		7140	
Lead, Total	63	400	450	9.07		13.3		54.2		4.67		3.72	J	46.5		4.85		4.66	J
Magnesium, Total	--	--	--	2400		2160		1840		1680		1460		1650		1930		1360	
Manganese, Total	1600	2000	2000	292		296		386		308		434		457		333		161	
Mercury, Total	0.18	0.81	0.73	0.079	U	0.082	U	0.081	J	0.078	U	0.076	U	0.081		0.084	U	0.081	U
Nickel, Total	30	310	130	7.57		12.7		8.72		7.96		7.93		7.72		8.07		6.02	
Potassium, Total	--	--	--	579		604		552		575		442		460		702		470	
Selenium, Total	3.9	180	4	1.63	U	1.73	U	1.87	U	1.88	U	1.72	U	1.69	U	1.82	U	1.94	U
Silver, Total	2	180	8.3	0.408	U	0.434	U	0.468	U	0.471	U	0.43	U	0.422	U	0.455	U	0.485	U
Sodium, Total	--	--	--	81.9	J	120	J	98.3	J	116	J	47.3	J	325		63.4	J	96	J
Thallium, Total	--	--	--	1.63	U	0.455	J	0.396	J	0.41	J	1.72	U	0.503	J	0.405	J	0.372	J
Vanadium, Total	--	--	--	10.9		13.2		15.5		11.1		9.5		12.5		11.1		8.05	
Zinc, Total	109	10000	2480	19.4		26		56.4		15.3		14		72.7		17.7		12	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-09A		EP-10		EP-15A		EP-17A		EP-17B		EP-18		EP-22A		EP-31	
LAB SAMPLE ID				L2365609-03		L2365609-01		L2365609-04		L2365609-05		L2367513-01		L2365609-02		L2364575-01		L2362844-01	
DATE				11/3/2023		11/3/2023		11/3/2023		11/3/2023		11/14/2023		11/3/2023		10/31/2023		10/23/2023	
SAMPLE DEPTH (ft.)				6		5.5		6		6		8		5.5		8		10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
4,4'-DDE	0.0033	8.9	17	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
4,4'-DDT	0.0033	7.9	136	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Aldrin	0.005	0.097	0.19	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Alpha-BHC	0.02	0.48	0.02	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Beta-BHC	0.036	0.36	0.09	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Chlordane	--	--	--	0.0142	U	0.0143	U	0.0149	U	0.0154	U	0.0146	U	0.0141	U	0.0151	U	0.0158	U
cis-Chlordane	0.094	4.2	2.9	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Delta-BHC	0.04	100	0.25	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Dieldrin	0.005	0.2	0.1	0.00106	U	0.00107	U	0.00112	U	0.00116	U	0.00109	U	0.00106	U	0.00113	U	0.00119	U
Endosulfan I	2.4	24	102	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Endosulfan II	2.4	24	102	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Endosulfan sulfate	2.4	24	1000	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Endrin	0.014	11	0.06	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Endrin aldehyde	--	--	--	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Endrin ketone	--	--	--	0.0017	U	0.00172	U	0.00178	U	0.00185	U	0.00175	U	0.00169	U	0.00181	U	0.0019	U
Heptachlor	0.042	2.1	0.38	0.00085	U	0.000859	U	0.000893	U	0.000927	U	0.000874	U	0.000846	U	0.000906	U	0.00095	U
Heptachlor epoxide	--	--	--	0.00319	U	0.00322	U	0.00335	U	0.00348	U	0.00328	U	0.00317	U	0.0034	U	0.00356	U
Lindane	0.1	1.3	0.1	0.000709	U	0.000716	U	0.000744	U	0.000772	U	0.000728	U	0.000705	U	0.000755	U	0.000792	U
Methoxychlor	--	--	--	0.00319	U	0.00322	U	0.00335	U	0.00348	U	0.00328	U	0.00317	U	0.0034	U	0.00356	U
Toxaphene	--	--	--	0.0319	U	0.0322	U	0.0335	U	0.0348	U	0.0328	U	0.0317	U	0.034	U	0.0356	U
trans-Chlordane	--	--	--	0.00212	U	0.00215	U	0.00223	U	0.00232	U	0.00218	U	0.00212	U	0.00226	U	0.00238	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1221	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1232	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1242	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1254	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0212	J	0.0582	U
Aroclor 1260	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1262	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
Aroclor 1268	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0542	U	0.0582	U
PCBs, Total	0.1	1	3.2	0.0514	U	0.0546	U	0.0545	U	0.0587	U	0.0534	U	0.0537	U	0.0212	J	0.0582	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2362844
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101E 150TH
Project Number:	41.0163097.00
Report Date:	11/01/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2362844-01	EP-31 (10' BGS)	SOIL	BRONX, NY	10/23/23 11:50	10/23/23
L2362844-02	FB-2023-10-23	WATER	BRONX, NY	10/23/23 13:00	10/23/23
L2362844-03	TB-2023-10-23	WATER	BRONX, NY	10/23/23 00:00	10/23/23

Project Name:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

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.

Sample Receipt

The analyses performed were specified by the client.

Total Metals

L2362844-01: 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: Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative Date: 11/01/23

ORGANICS

VOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 10/30/23 14:54
Analyst: JIC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.0	1.8	1
1,1-Dichloroethane	ND		ug/kg	0.81	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.81	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.81	0.10	1
Dibromochloromethane	ND		ug/kg	0.81	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.81	0.22	1
Tetrachloroethene	ND		ug/kg	0.40	0.16	1
Chlorobenzene	ND		ug/kg	0.40	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.2	0.56	1
1,2-Dichloroethane	ND		ug/kg	0.81	0.21	1
1,1,1-Trichloroethane	0.28	J	ug/kg	0.40	0.14	1
Bromodichloromethane	ND		ug/kg	0.40	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.81	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.40	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.40	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.40	0.13	1
Bromoform	ND		ug/kg	3.2	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.40	0.13	1
Benzene	ND		ug/kg	0.40	0.13	1
Toluene	ND		ug/kg	0.81	0.44	1
Ethylbenzene	ND		ug/kg	0.81	0.11	1
Chloromethane	ND		ug/kg	3.2	0.76	1
Bromomethane	ND		ug/kg	1.6	0.47	1
Vinyl chloride	ND		ug/kg	0.81	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.81	0.19	1
trans-1,2-Dichloroethene	0.13	J	ug/kg	1.2	0.11	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	0.40	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.45	1
o-Xylene	ND		ug/kg	0.81	0.24	1
Xylenes, Total	ND		ug/kg	0.81	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.81	0.14	1
1,2-Dichloroethene, Total	0.13	J	ug/kg	0.81	0.11	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.81	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.1	0.74	1
Acetone	ND		ug/kg	8.1	3.9	1
Carbon disulfide	ND		ug/kg	8.1	3.7	1
2-Butanone	ND		ug/kg	8.1	1.8	1
Vinyl acetate	ND		ug/kg	8.1	1.7	1
4-Methyl-2-pentanone	ND		ug/kg	8.1	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.1	0.96	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.81	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.40	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	ND		ug/kg	0.81	0.14	1
sec-Butylbenzene	ND		ug/kg	0.81	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.81	1
Hexachlorobutadiene	ND		ug/kg	3.2	0.14	1
Isopropylbenzene	ND		ug/kg	0.81	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.81	0.09	1
Naphthalene	1.1	J	ug/kg	3.2	0.53	1
Acrylonitrile	ND		ug/kg	3.2	0.93	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	0.81	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.6	0.27	1
1,4-Dioxane	ND		ug/kg	65	28.	1
p-Diethylbenzene	ND		ug/kg	1.6	0.14	1
p-Ethyltoluene	ND		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.6	0.16	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.0	1.2	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	90		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/23 23:14
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-03
Client ID: TB-2023-10-23
Sample Location: BRONX, NY

Date Collected: 10/23/23 00:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 10/29/23 23:39
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-03
Client ID: TB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 00:00
Date Received: 10/23/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-03
Client ID: TB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 00:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/29/23 19:09
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1845918-5					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/29/23 19:09
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1845918-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/29/23 19:09
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1845918-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/29/23 19:09
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1845918-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	104		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/23 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1846485-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/23 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1846485-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/23 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1846485-5					
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	4.85	J	ug/kg
Unknown	4.85	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 10/30/23 10:05
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1846485-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1845918-3 WG1845918-4								
Methylene chloride	97		92		70-130	5		20
1,1-Dichloroethane	100		98		70-130	2		20
Chloroform	98		95		70-130	3		20
Carbon tetrachloride	95		89		63-132	7		20
1,2-Dichloropropane	99		96		70-130	3		20
Dibromochloromethane	90		91		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	99		98		70-130	1		20
1,1,1-Trichloroethane	100		93		67-130	7		20
Bromodichloromethane	91		88		67-130	3		20
trans-1,3-Dichloropropene	97		96		70-130	1		20
cis-1,3-Dichloropropene	87		86		70-130	1		20
1,1-Dichloropropene	97		93		70-130	4		20
Bromoform	82		83		54-136	1		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	92		89		70-130	3		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	100		98		64-130	2		20
Bromomethane	65		60		39-139	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1845918-3 WG1845918-4								
Vinyl chloride	100		94		55-140	6		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	96		85		70-130	12		20
Trichloroethene	93		86		70-130	8		20
1,2-Dichlorobenzene	100		96		70-130	4		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	100		96		70-130	4		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		92		70-130	2		20
Dibromomethane	90		88		70-130	2		20
1,2,3-Trichloropropane	99		98		64-130	1		20
Acrylonitrile	98		100		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	92		87		36-147	6		20
Acetone	95		100		58-148	5		20
Carbon disulfide	95		91		51-130	4		20
2-Butanone	100		99		63-138	1		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	97		93		59-130	4		20
2-Hexanone	96		99		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1845918-3 WG1845918-4								
Bromochloromethane	89		91		70-130	2		20
2,2-Dichloropropane	90		84		63-133	7		20
1,2-Dibromoethane	95		95		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	94		98		64-130	4		20
Bromobenzene	95		91		70-130	4		20
n-Butylbenzene	110		100		53-136	10		20
sec-Butylbenzene	110		99		70-130	11		20
tert-Butylbenzene	110		99		70-130	11		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		98		70-130	2		20
1,2-Dibromo-3-chloropropane	83		82		41-144	1		20
Hexachlorobutadiene	97		94		63-130	3		20
Isopropylbenzene	100		96		70-130	4		20
p-Isopropyltoluene	100		96		70-130	4		20
Naphthalene	86		83		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	90		88		70-130	2		20
1,2,4-Trichlorobenzene	91		89		70-130	2		20
1,3,5-Trimethylbenzene	100		99		64-130	1		20
1,2,4-Trimethylbenzene	100		98		70-130	2		20
1,4-Dioxane	98		92		56-162	6		20
p-Diethylbenzene	100		96		70-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1845918-3 WG1845918-4								
p-Ethyltoluene	100		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	95		90		70-130	5		20
Ethyl ether	120		110		59-134	9		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	99		95		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1846485-3 WG1846485-4								
Methylene chloride	75		73		70-130	3		30
1,1-Dichloroethane	82		80		70-130	2		30
Chloroform	87		85		70-130	2		30
Carbon tetrachloride	95		92		70-130	3		30
1,2-Dichloropropane	81		79		70-130	3		30
Dibromochloromethane	98		95		70-130	3		30
1,1,2-Trichloroethane	99		96		70-130	3		30
Tetrachloroethene	113		111		70-130	2		30
Chlorobenzene	101		98		70-130	3		30
Trichlorofluoromethane	94		92		70-139	2		30
1,2-Dichloroethane	90		88		70-130	2		30
1,1,1-Trichloroethane	94		92		70-130	2		30
Bromodichloromethane	90		88		70-130	2		30
trans-1,3-Dichloropropene	89		87		70-130	2		30
cis-1,3-Dichloropropene	81		79		70-130	3		30
1,1-Dichloropropene	91		89		70-130	2		30
Bromoform	103		102		70-130	1		30
1,1,2,2-Tetrachloroethane	94		93		70-130	1		30
Benzene	85		83		70-130	2		30
Toluene	93		92		70-130	1		30
Ethylbenzene	98		96		70-130	2		30
Chloromethane	87		84		52-130	4		30
Bromomethane	83		81		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1846485-3 WG1846485-4								
Vinyl chloride	84		83		67-130	1		30
Chloroethane	84		83		50-151	1		30
1,1-Dichloroethene	77		74		65-135	4		30
trans-1,2-Dichloroethene	82		79		70-130	4		30
Trichloroethene	90		88		70-130	2		30
1,2-Dichlorobenzene	105		102		70-130	3		30
1,3-Dichlorobenzene	107		104		70-130	3		30
1,4-Dichlorobenzene	104		102		70-130	2		30
Methyl tert butyl ether	77		76		66-130	1		30
p/m-Xylene	101		100		70-130	1		30
o-Xylene	107		104		70-130	3		30
cis-1,2-Dichloroethene	82		82		70-130	0		30
Dibromomethane	88		83		70-130	6		30
Styrene	93		91		70-130	2		30
Dichlorodifluoromethane	98		94		30-146	4		30
Acetone	72		68		54-140	6		30
Carbon disulfide	67		66		59-130	2		30
2-Butanone	78		83		70-130	6		30
Vinyl acetate	83		82		70-130	1		30
4-Methyl-2-pentanone	77		76		70-130	1		30
1,2,3-Trichloropropane	97		93		68-130	4		30
2-Hexanone	80		80		70-130	0		30
Bromochloromethane	88		86		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1846485-3 WG1846485-4								
2,2-Dichloropropane	95		93		70-130	2		30
1,2-Dibromoethane	88		87		70-130	1		30
1,3-Dichloropropane	99		96		69-130	3		30
1,1,1,2-Tetrachloroethane	111		107		70-130	4		30
Bromobenzene	105		102		70-130	3		30
n-Butylbenzene	107		104		70-130	3		30
sec-Butylbenzene	104		101		70-130	3		30
tert-Butylbenzene	106		104		70-130	2		30
o-Chlorotoluene	100		98		70-130	2		30
p-Chlorotoluene	102		100		70-130	2		30
1,2-Dibromo-3-chloropropane	94		88		68-130	7		30
Hexachlorobutadiene	124		118		67-130	5		30
Isopropylbenzene	103		100		70-130	3		30
p-Isopropyltoluene	108		106		70-130	2		30
Naphthalene	102		99		70-130	3		30
Acrylonitrile	73		71		70-130	3		30
n-Propylbenzene	101		98		70-130	3		30
1,2,3-Trichlorobenzene	115		112		70-130	3		30
1,2,4-Trichlorobenzene	118		114		70-130	3		30
1,3,5-Trimethylbenzene	105		102		70-130	3		30
1,2,4-Trimethylbenzene	106		103		70-130	3		30
1,4-Dioxane	79		76		65-136	4		30
p-Diethylbenzene	103		100		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1846485-3 WG1846485-4								
p-Ethyltoluene	103		100		70-130	3		30
1,2,4,5-Tetramethylbenzene	106		103		70-130	3		30
Ethyl ether	73		74		67-130	1		30
trans-1,4-Dichloro-2-butene	93		87		70-130	7		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		96		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	97		95		70-130
Dibromofluoromethane	91		90		70-130

SEMIVOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY

Date Collected: 10/23/23 11:50
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 10/25/23 17:52
Analyst: EJL
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/24/23 20:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	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	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	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	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Fluoranthene	ND		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	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	25.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	72.	1
Butyl benzyl phthalate	ND		ug/kg	210	52.	1
Di-n-butylphthalate	ND		ug/kg	210	39.	1
Di-n-octylphthalate	ND		ug/kg	210	71.	1

Project Name: SA 101E 150TH **Lab Number:** L2362844

Project Number: 41.0163097.00 **Report Date:** 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01 Date Collected: 10/23/23 11:50

Client ID: EP-31 (10' BGS) Date Received: 10/23/23

Sample Location: 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	44.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	22.	1
Acenaphthylene	35	J	ug/kg	170	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	170	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	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	120	21.	1
Biphenyl	ND		ug/kg	470	27.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	39.	1
4-Nitroaniline	ND		ug/kg	210	86.	1
Dibenzofuran	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	190	33.	1
2,4-Dimethylphenol	ND		ug/kg	210	68.	1
2-Nitrophenol	ND		ug/kg	450	78.	1
4-Nitrophenol	ND		ug/kg	290	85.	1
2,4-Dinitrophenol	ND		ug/kg	1000	97.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1
Phenol	ND		ug/kg	210	31.	1
2-Methylphenol	ND		ug/kg	210	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	64.	1
Carbazole	ND		ug/kg	210	20.	1
1,4-Dioxane	ND		ug/kg	31	9.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	57		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	52		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY

Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 10/28/23 13:14
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
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/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
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/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Tentatively Identified Compounds						
Total TIC Compounds	80.9	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown	2.18	J	ug/l			1
Unknown	3.05	J	ug/l			1
Unknown Organic Acid	38.4	J	ug/l			1
Unknown	4.07	J	ug/l			1
Unknown Organic Acid	23.7	J	ug/l			1
Unknown	1.56	J	ug/l			1
Unknown Organic Acid	6.22	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	47		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	78		10-120
4-Terphenyl-d14	73		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY

Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 10/31/23 17:09
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 10/30/23 12:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/23 07:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/24/23 18:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1843795-1					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/23 07:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/24/23 18:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1843795-1					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/25/23 07:04
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 10/24/23 18:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1843795-1					
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	62		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/23 08:00
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1845316-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/23 08:00
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1845316-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/23 08:00
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1845316-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	17.7	J	ug/l
Unknown Organic Acid	4.29	J	ug/l
Unknown	5.45	J	ug/l
Unknown	2.69	J	ug/l
Unknown	5.24	J	ug/l

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 10/28/23 08:00
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 19:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1845316-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	64		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 10/31/23 16:04
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 10/30/23 12:27

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 02 Batch: WG1845970-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1843795-2 WG1843795-3								
Acenaphthene	51		63		31-137	21		50
1,2,4-Trichlorobenzene	51		60		38-107	16		50
Hexachlorobenzene	50		62		40-140	21		50
Bis(2-chloroethyl)ether	46		58		40-140	23		50
2-Chloronaphthalene	54		66		40-140	20		50
1,2-Dichlorobenzene	50		58		40-140	15		50
1,3-Dichlorobenzene	49		58		40-140	17		50
1,4-Dichlorobenzene	50		59		28-104	17		50
3,3'-Dichlorobenzidine	40		50		40-140	22		50
2,4-Dinitrotoluene	55		66		40-132	18		50
2,6-Dinitrotoluene	55		67		40-140	20		50
Fluoranthene	56		69		40-140	21		50
4-Chlorophenyl phenyl ether	57		68		40-140	18		50
4-Bromophenyl phenyl ether	54		66		40-140	20		50
Bis(2-chloroisopropyl)ether	43		53		40-140	21		50
Bis(2-chloroethoxy)methane	47		58		40-117	21		50
Hexachlorobutadiene	55		68		40-140	21		50
Hexachlorocyclopentadiene	60		73		40-140	20		50
Hexachloroethane	48		56		40-140	15		50
Isophorone	47		58		40-140	21		50
Naphthalene	53		65		40-140	20		50
Nitrobenzene	50		60		40-140	18		50
NDPA/DPA	56		68		36-157	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1843795-2 WG1843795-3								
n-Nitrosodi-n-propylamine	48		59		32-121	21		50
Bis(2-ethylhexyl)phthalate	52		64		40-140	21		50
Butyl benzyl phthalate	50		61		40-140	20		50
Di-n-butylphthalate	51		62		40-140	19		50
Di-n-octylphthalate	50		62		40-140	21		50
Diethyl phthalate	52		62		40-140	18		50
Dimethyl phthalate	55		66		40-140	18		50
Benzo(a)anthracene	56		70		40-140	22		50
Benzo(a)pyrene	61		76		40-140	22		50
Benzo(b)fluoranthene	51		65		40-140	24		50
Benzo(k)fluoranthene	61		74		40-140	19		50
Chrysene	61		76		40-140	22		50
Acenaphthylene	55		67		40-140	20		50
Anthracene	55		70		40-140	24		50
Benzo(ghi)perylene	52		67		40-140	25		50
Fluorene	53		65		40-140	20		50
Phenanthrene	54		69		40-140	24		50
Dibenzo(a,h)anthracene	57		72		40-140	23		50
Indeno(1,2,3-cd)pyrene	54		69		40-140	24		50
Pyrene	55		69		35-142	23		50
Biphenyl	55		69		37-127	23		50
4-Chloroaniline	45		51		40-140	13		50
2-Nitroaniline	52		64		47-134	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1843795-2 WG1843795-3								
3-Nitroaniline	42		52		26-129	21		50
4-Nitroaniline	51		61		41-125	18		50
Dibenzofuran	54		67		40-140	21		50
2-Methylnaphthalene	56		67		40-140	18		50
1,2,4,5-Tetrachlorobenzene	56		68		40-117	19		50
Acetophenone	49		60		14-144	20		50
2,4,6-Trichlorophenol	57		70		30-130	20		50
p-Chloro-m-cresol	56		68		26-103	19		50
2-Chlorophenol	52		63		25-102	19		50
2,4-Dichlorophenol	55		67		30-130	20		50
2,4-Dimethylphenol	54		64		30-130	17		50
2-Nitrophenol	49		61		30-130	22		50
4-Nitrophenol	47		57		11-114	19		50
2,4-Dinitrophenol	40		46		4-130	14		50
4,6-Dinitro-o-cresol	53		64		10-130	19		50
Pentachlorophenol	52		62		17-109	18		50
Phenol	50		62		26-90	21		50
2-Methylphenol	51		63		30-130.	21		50
3-Methylphenol/4-Methylphenol	51		62		30-130	19		50
2,4,5-Trichlorophenol	60		72		30-130	18		50
Benzoic Acid	12		10	Q	10-110	19		50
Benzyl Alcohol	53		63		40-140	17		50
Carbazole	54		67		54-128	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1843795-2 WG1843795-3								
1,4-Dioxane	**38**	Q	43		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	52		62		25-120
Phenol-d6	52		65		10-120
Nitrobenzene-d5	50		59		23-120
2-Fluorobiphenyl	56		69		30-120
2,4,6-Tribromophenol	49		61		10-136
4-Terphenyl-d14	58		71		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1845316-2 WG1845316-3								
Acenaphthene	59		67		37-111	13		30
1,2,4-Trichlorobenzene	53		59		39-98	11		30
Hexachlorobenzene	70		77		40-140	10		30
Bis(2-chloroethyl)ether	52		62		40-140	18		30
2-Chloronaphthalene	64		72		40-140	12		30
1,2-Dichlorobenzene	50		64		40-140	25		30
1,3-Dichlorobenzene	56		66		40-140	16		30
1,4-Dichlorobenzene	53		62		36-97	16		30
3,3'-Dichlorobenzidine	62		61		40-140	2		30
2,4-Dinitrotoluene	62		73		48-143	16		30
2,6-Dinitrotoluene	71		81		40-140	13		30
Fluoranthene	72		80		40-140	11		30
4-Chlorophenyl phenyl ether	67		70		40-140	4		30
4-Bromophenyl phenyl ether	70		73		40-140	4		30
Bis(2-chloroisopropyl)ether	43		58		40-140	30		30
Bis(2-chloroethoxy)methane	51		63		40-140	21		30
Hexachlorobutadiene	71		73		40-140	3		30
Hexachlorocyclopentadiene	53		62		40-140	16		30
Hexachloroethane	55		64		40-140	15		30
Isophorone	55		61		40-140	10		30
Naphthalene	60		66		40-140	10		30
Nitrobenzene	48		61		40-140	24		30
NDPA/DPA	62		72		40-140	15		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1845316-2 WG1845316-3								
n-Nitrosodi-n-propylamine	54		66		29-132	20		30
Bis(2-ethylhexyl)phthalate	79		87		40-140	10		30
Butyl benzyl phthalate	86		86		40-140	0		30
Di-n-butylphthalate	75		82		40-140	9		30
Di-n-octylphthalate	76		80		40-140	5		30
Diethyl phthalate	73		74		40-140	1		30
Dimethyl phthalate	68		80		40-140	16		30
Benzo(a)anthracene	71		81		40-140	13		30
Benzo(a)pyrene	74		83		40-140	11		30
Benzo(b)fluoranthene	70		78		40-140	11		30
Benzo(k)fluoranthene	71		79		40-140	11		30
Chrysene	72		80		40-140	11		30
Acenaphthylene	66		74		45-123	11		30
Anthracene	71		76		40-140	7		30
Benzo(ghi)perylene	66		73		40-140	10		30
Fluorene	65		68		40-140	5		30
Phenanthrene	68		74		40-140	8		30
Dibenzo(a,h)anthracene	65		72		40-140	10		30
Indeno(1,2,3-cd)pyrene	66		72		40-140	9		30
Pyrene	74		79		26-127	7		30
Biphenyl	62		75		40-140	19		30
4-Chloroaniline	72		66		40-140	9		30
2-Nitroaniline	68		79		52-143	15		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1845316-2 WG1845316-3								
3-Nitroaniline	61		67		25-145	9		30
4-Nitroaniline	65		76		51-143	16		30
Dibenzofuran	64		73		40-140	13		30
2-Methylnaphthalene	65		71		40-140	9		30
1,2,4,5-Tetrachlorobenzene	67		79		2-134	16		30
Acetophenone	54		64		39-129	17		30
2,4,6-Trichlorophenol	74		85		30-130	14		30
p-Chloro-m-cresol	79		80		23-97	1		30
2-Chlorophenol	59		66		27-123	11		30
2,4-Dichlorophenol	67		74		30-130	10		30
2,4-Dimethylphenol	56		61		30-130	9		30
2-Nitrophenol	57		71		30-130	22		30
4-Nitrophenol	67		75		10-80	11		30
2,4-Dinitrophenol	96		102		20-130	6		30
4,6-Dinitro-o-cresol	60		71		20-164	17		30
Pentachlorophenol	91		98		9-103	7		30
Phenol	44		49		12-110	11		30
2-Methylphenol	53		61		30-130	14		30
3-Methylphenol/4-Methylphenol	57		67		30-130	16		30
2,4,5-Trichlorophenol	79		89		30-130	12		30
Benzoic Acid	68		70		10-164	3		30
Benzyl Alcohol	53		62		26-116	16		30
Carbazole	73		82		55-144	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1845316-2 WG1845316-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		59		21-120
Phenol-d6	48		51		10-120
Nitrobenzene-d5	57		64		23-120
2-Fluorobiphenyl	69		75		15-120
2,4,6-Tribromophenol	84		87		10-120
4-Terphenyl-d14	78		81		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1845970-2 WG1845970-3								
1,4-Dioxane	113		116		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	44		43		15-110

PCBS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY

Date Collected: 10/23/23 11:50
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 10/25/23 09:52
Analyst: RMP
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/24/23 21:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/25/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.2	5.17	1	A
Aroclor 1221	ND		ug/kg	58.2	5.83	1	A
Aroclor 1232	ND		ug/kg	58.2	12.3	1	A
Aroclor 1242	ND		ug/kg	58.2	7.84	1	A
Aroclor 1248	ND		ug/kg	58.2	8.73	1	A
Aroclor 1254	ND		ug/kg	58.2	6.37	1	A
Aroclor 1260	ND		ug/kg	58.2	10.8	1	A
Aroclor 1262	ND		ug/kg	58.2	7.39	1	A
Aroclor 1268	ND		ug/kg	58.2	6.03	1	A
PCBs, Total	ND		ug/kg	58.2	5.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY

Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 10/28/23 10:52
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 17:06
Cleanup Method: EPA 3665A
Cleanup Date: 10/28/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/28/23

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	67		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/25/23 09:20
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 10/24/23 21:45
Cleanup Method: EPA 3665A
Cleanup Date: 10/25/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/25/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1843835-1						
Aroclor 1016	ND		ug/kg	47.0	4.18	A
Aroclor 1221	ND		ug/kg	47.0	4.71	A
Aroclor 1232	ND		ug/kg	47.0	9.97	A
Aroclor 1242	ND		ug/kg	47.0	6.34	A
Aroclor 1248	ND		ug/kg	47.0	7.06	A
Aroclor 1254	ND		ug/kg	47.0	5.14	A
Aroclor 1260	ND		ug/kg	47.0	8.69	A
Aroclor 1262	ND		ug/kg	47.0	5.97	A
Aroclor 1268	ND		ug/kg	47.0	4.87	A
PCBs, Total	ND		ug/kg	47.0	4.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 10/28/23 11:10
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 17:00
Cleanup Method: EPA 3665A
Cleanup Date: 10/28/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/28/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1845300-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1843835-2 WG1843835-3									
Aroclor 1016	82		77		40-140	6		50	A
Aroclor 1260	75		71		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	A
Decachlorobiphenyl	79		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		84		30-150	B
Decachlorobiphenyl	87		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1845300-2 WG1845300-3									
Aroclor 1016	71		79		40-140	11		50	A
Aroclor 1260	76		87		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		70		30-150	A
Decachlorobiphenyl	88		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		64		30-150	B
Decachlorobiphenyl	78		79		30-150	B

PESTICIDES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY

Date Collected: 10/23/23 11:50
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 10/26/23 12:21
Analyst: AKM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/24/23 22:05
Cleanup Method: EPA 3620B
Cleanup Date: 10/26/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.90	0.372	1	A
Lindane	ND		ug/kg	0.792	0.354	1	A
Alpha-BHC	ND		ug/kg	0.792	0.225	1	A
Beta-BHC	ND		ug/kg	1.90	0.721	1	A
Heptachlor	ND		ug/kg	0.950	0.426	1	A
Aldrin	ND		ug/kg	1.90	0.669	1	A
Heptachlor epoxide	ND		ug/kg	3.56	1.07	1	A
Endrin	ND		ug/kg	0.792	0.325	1	A
Endrin aldehyde	ND		ug/kg	2.38	0.832	1	A
Endrin ketone	ND		ug/kg	1.90	0.490	1	A
Dieldrin	ND		ug/kg	1.19	0.594	1	A
4,4'-DDE	ND		ug/kg	1.90	0.440	1	A
4,4'-DDD	ND		ug/kg	1.90	0.678	1	A
4,4'-DDT	ND		ug/kg	1.90	1.53	1	A
Endosulfan I	ND		ug/kg	1.90	0.449	1	A
Endosulfan II	ND		ug/kg	1.90	0.635	1	A
Endosulfan sulfate	ND		ug/kg	0.792	0.377	1	A
Methoxychlor	ND		ug/kg	3.56	1.11	1	A
Toxaphene	ND		ug/kg	35.6	9.98	1	A
cis-Chlordane	ND		ug/kg	2.38	0.662	1	A
trans-Chlordane	ND		ug/kg	2.38	0.627	1	A
Chlordane	ND		ug/kg	15.8	6.30	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	72		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY

Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 10/27/23 15:40
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 08:50

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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Date Collected: 10/23/23 13:00
Date Received: 10/23/23
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	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/24/23 15:06
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 10/24/23 05:11
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1843397-1						
Delta-BHC	ND		ug/kg	1.52	0.297	A
Lindane	ND		ug/kg	0.632	0.283	A
Alpha-BHC	ND		ug/kg	0.632	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.576	A
Heptachlor	ND		ug/kg	0.759	0.340	A
Aldrin	ND		ug/kg	1.52	0.534	A
Heptachlor epoxide	ND		ug/kg	2.85	0.854	A
Endrin	ND		ug/kg	0.632	0.259	A
Endrin aldehyde	ND		ug/kg	1.90	0.664	A
Endrin ketone	ND		ug/kg	1.52	0.391	A
Dieldrin	ND		ug/kg	0.949	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	0.359	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	2.85	0.886	A
Toxaphene	ND		ug/kg	28.5	7.97	A
cis-Chlordane	ND		ug/kg	1.90	0.529	A
trans-Chlordane	ND		ug/kg	1.90	0.501	A
Chlordane	ND		ug/kg	12.6	5.03	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/24/23 15:06
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 10/24/23 05:11
Cleanup Method: EPA 3620B
Cleanup Date: 10/24/23
Cleanup Method: EPA 3660B
Cleanup Date: 10/24/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1843397-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/27/23 14:55
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1845025-1						
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 10/27/23 14:55
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 10/27/23 08:50

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1845025-1						

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	68		30-150	B
Decachlorobiphenyl	77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1843397-2 WG1843397-3									
Delta-BHC	72		90		30-150	22		30	A
Lindane	68		85		30-150	22		30	A
Alpha-BHC	68		86		30-150	23		30	A
Beta-BHC	74		92		30-150	22		30	A
Heptachlor	69		83		30-150	18		30	A
Aldrin	66		80		30-150	19		30	A
Heptachlor epoxide	66		81		30-150	20		30	A
Endrin	69		87		30-150	23		30	A
Endrin aldehyde	60		77		30-150	25		30	A
Endrin ketone	72		95		30-150	28		30	A
Dieldrin	74		93		30-150	23		30	A
4,4'-DDE	68		86		30-150	23		30	A
4,4'-DDD	74		93		30-150	23		30	A
4,4'-DDT	71		89		30-150	23		30	A
Endosulfan I	67		84		30-150	23		30	A
Endosulfan II	70		88		30-150	23		30	A
Endosulfan sulfate	67		86		30-150	25		30	A
Methoxychlor	74		91		30-150	21		30	A
cis-Chlordane	61		77		30-150	23		30	A
trans-Chlordane	66		80		30-150	19		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1843397-2 WG1843397-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		78		30-150	A
Decachlorobiphenyl	81		106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		87		30-150	B
Decachlorobiphenyl	94		130		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1845025-2 WG1845025-3									
Delta-BHC	85		71		30-150	18		20	A
Lindane	73		62		30-150	17		20	A
Alpha-BHC	75		63		30-150	16		20	A
Beta-BHC	80		66		30-150	20		20	A
Heptachlor	73		61		30-150	18		20	A
Aldrin	69		56		30-150	20		20	A
Heptachlor epoxide	69		59		30-150	16		20	A
Endrin	76		64		30-150	18		20	A
Endrin aldehyde	71		62		30-150	13		20	A
Endrin ketone	78		67		30-150	15		20	A
Dieldrin	84		70		30-150	19		20	A
4,4'-DDE	71		60		30-150	16		20	A
4,4'-DDD	76		64		30-150	16		20	A
4,4'-DDT	78		67		30-150	16		20	A
Endosulfan I	80		59		30-150	**29**	Q	20	A
Endosulfan II	70		60		30-150	16		20	A
Endosulfan sulfate	77		65		30-150	17		20	A
Methoxychlor	96		77		30-150	**22**	Q	20	A
cis-Chlordane	70		60		30-150	16		20	A
trans-Chlordane	88		72		30-150	19		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1845025-2 WG1845025-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		62		30-150	A
Decachlorobiphenyl	64		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		66		30-150	B
Decachlorobiphenyl	79		75		30-150	B

METALS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY
Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	4170		mg/kg	9.70	2.62	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Antimony, Total	26.0		mg/kg	4.85	0.369	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Arsenic, Total	0.962	J	mg/kg	0.970	0.202	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Barium, Total	15.7		mg/kg	0.970	0.169	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Beryllium, Total	0.215	J	mg/kg	0.485	0.032	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Cadmium, Total	ND		mg/kg	0.970	0.095	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Calcium, Total	395		mg/kg	9.70	3.40	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Chromium, Total	6.59		mg/kg	0.970	0.093	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Cobalt, Total	2.68		mg/kg	1.94	0.161	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Copper, Total	5.41		mg/kg	0.970	0.250	2	10/25/23 11:10	10/25/23 18:16	EPA 3050B	1,6010D	JTS
Iron, Total	7140		mg/kg	4.85	0.876	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Lead, Total	4.66	J	mg/kg	4.85	0.260	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Magnesium, Total	1360		mg/kg	9.70	1.49	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Manganese, Total	161		mg/kg	0.970	0.154	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Mercury, Total	ND		mg/kg	0.081	0.053	1	10/25/23 08:25	10/25/23 10:57	EPA 7471B	1,7471B	GMG
Nickel, Total	6.02		mg/kg	2.42	0.235	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Potassium, Total	470		mg/kg	242	14.0	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Selenium, Total	ND		mg/kg	1.94	0.250	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Silver, Total	ND		mg/kg	0.485	0.275	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Sodium, Total	96.0	J	mg/kg	194	3.06	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Thallium, Total	0.372	J	mg/kg	1.94	0.306	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Vanadium, Total	8.05		mg/kg	0.970	0.197	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS
Zinc, Total	12.0		mg/kg	4.85	0.284	2	10/25/23 11:10	10/25/23 16:36	EPA 3050B	1,6010D	JTS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-02
Client ID: FB-2023-10-23
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 10/23/23 13:00
Date Received: 10/23/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Barium, Total	ND		mg/l	0.0100	0.0021	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Calcium, Total	0.0551	J	mg/l	0.100	0.0350	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Iron, Total	ND		mg/l	0.0500	0.0090	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Magnesium, Total	ND		mg/l	0.100	0.0153	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Manganese, Total	ND		mg/l	0.0100	0.0016	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/23 22:21	10/31/23 20:45	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Potassium, Total	ND		mg/l	2.50	0.237	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Sodium, Total	0.331	J	mg/l	2.00	0.120	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Thallium, Total	ND		mg/l	0.0200	0.0025	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS
Zinc, Total	ND		mg/l	0.0500	0.0021	1	10/24/23 16:47	10/24/23 22:36	EPA 3005A	1,6010D	JTS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
Report Date: 11/01/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1843725-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Antimony, Total	ND		mg/l	0.0500	0.0071	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Barium, Total	ND		mg/l	0.0100	0.0021	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Calcium, Total	ND		mg/l	0.100	0.0350	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Chromium, Total	ND		mg/l	0.0100	0.0021	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Copper, Total	ND		mg/l	0.0100	0.0022	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Iron, Total	ND		mg/l	0.0500	0.0090	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Magnesium, Total	ND		mg/l	0.100	0.0153	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Manganese, Total	ND		mg/l	0.0100	0.0016	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Nickel, Total	ND		mg/l	0.0250	0.0024	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Potassium, Total	ND		mg/l	2.50	0.237	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Selenium, Total	ND		mg/l	0.0100	0.0035	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Silver, Total	ND		mg/l	0.0070	0.0028	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Sodium, Total	ND		mg/l	2.00	0.120	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Thallium, Total	0.0026	J	mg/l	0.0200	0.0025	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS
Zinc, Total	ND		mg/l	0.0500	0.0021	1	10/24/23 16:47	10/24/23 22:31	1,6010D	JTS

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): 02 Batch: WG1843726-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/24/23 22:21	10/31/23 20:39	1,7470A	GMG

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2362844
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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 Batch: WG1843934-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	10/25/23 08:25	10/25/23 10:27	1,7471B	GMG

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): 01 Batch: WG1843944-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Barium, Total	ND		mg/kg	0.400	0.070	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Copper, Total	ND		mg/kg	0.400	0.103	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Iron, Total	ND		mg/kg	2.00	0.361	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Lead, Total	ND		mg/kg	2.00	0.107	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Potassium, Total	ND		mg/kg	100	5.76	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Silver, Total	ND		mg/kg	0.200	0.113	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Sodium, Total	ND		mg/kg	80.0	1.26	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS

Project Name: SA 101E 150TH
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Method Blank Analysis
Batch Quality Control

Vanadium, Total	ND	mg/kg	0.400	0.081	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS
Zinc, Total	ND	mg/kg	2.00	0.117	1	10/25/23 11:10	10/25/23 15:26	1,6010D	JTS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1843725-2								
Aluminum, Total	110		-		80-120	-		
Antimony, Total	103		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	107		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	104		-		80-120	-		
Calcium, Total	106		-		80-120	-		
Chromium, Total	107		-		80-120	-		
Cobalt, Total	103		-		80-120	-		
Copper, Total	96		-		80-120	-		
Iron, Total	104		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	109		-		80-120	-		
Selenium, Total	112		-		80-120	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1843725-2					
Zinc, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1843726-2					
Mercury, Total	99	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1843934-2 SRM Lot Number: D119-540					
Mercury, Total	106	-	73-127	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1843944-2 SRM Lot Number: D119-540					
Aluminum, Total	82	-	48-152	-	
Antimony, Total	173	-	10-190	-	
Arsenic, Total	111	-	83-117	-	
Barium, Total	106	-	82-118	-	
Beryllium, Total	113	-	83-117	-	
Cadmium, Total	108	-	82-117	-	
Calcium, Total	104	-	81-118	-	
Chromium, Total	110	-	82-119	-	
Cobalt, Total	108	-	83-117	-	
Copper, Total	104	-	84-116	-	
Iron, Total	99	-	60-140	-	
Lead, Total	109	-	82-118	-	
Magnesium, Total	96	-	76-124	-	
Manganese, Total	104	-	82-118	-	
Nickel, Total	108	-	82-117	-	
Potassium, Total	98	-	70-130	-	
Selenium, Total	110	-	79-121	-	
Silver, Total	108	-	80-120	-	
Sodium, Total	107	-	74-126	-	
Thallium, Total	116	-	81-119	-	
Vanadium, Total	106	-	79-121	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1843944-2 SRM Lot Number: D119-540					
Zinc, Total	107	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1843725-3 QC Sample: L2362175-01 Client ID: MS Sample												
Aluminum, Total	0.096J	2	2.21	110		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.524	105		-	-		75-125	-		20
Arsenic, Total	0.029	0.12	0.162	110		-	-		75-125	-		20
Barium, Total	0.129	2	2.16	102		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0521	104		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0533	100		-	-		75-125	-		20
Calcium, Total	79.5	10	87.8	83		-	-		75-125	-		20
Chromium, Total	0.006J	0.2	0.212	106		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.506	101		-	-		75-125	-		20
Copper, Total	0.0538	0.25	0.301	99		-	-		75-125	-		20
Iron, Total	10.2	1	10.9	**70**	Q	-	-		75-125	-		20
Lead, Total	0.003J	0.53	0.540	102		-	-		75-125	-		20
Magnesium, Total	9.34	10	18.9	96		-	-		75-125	-		20
Manganese, Total	1.33	0.5	1.78	90		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.491	98		-	-		75-125	-		20
Potassium, Total	13.3	10	23.7	104		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.140	117		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0533	107		-	-		75-125	-		20
Sodium, Total	759	10	749	**-100**	Q	-	-		75-125	-		20
Thallium, Total	0.006J	0.12	0.126	105		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.509	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

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): 02 QC Batch ID: WG1843725-3 QC Sample: L2362175-01 Client ID: MS Sample									
Zinc, Total	0.062	0.5	0.572	102	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1843726-3 QC Sample: L2362844-02 Client ID: FB-2023-10-23									
Mercury, Total	ND	0.005	0.00516	103	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843934-3 QC Sample: L2363168-01 Client ID: MS Sample									
Mercury, Total	ND	1.44	1.42	99	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843944-3 QC Sample: L2362801-01 Client ID: MS Sample										
Aluminum, Total	6730	173	5990	**0**	Q	-	-	75-125	-	20
Antimony, Total	1.59J	43.4	46.8	108		-	-	75-125	-	20
Arsenic, Total	4.56	10.4	17.3	122		-	-	75-125	-	20
Barium, Total	50.5	173	220	98		-	-	75-125	-	20
Beryllium, Total	0.897	4.34	5.17	98		-	-	75-125	-	20
Cadmium, Total	0.300J	4.6	5.00	109		-	-	75-125	-	20
Calcium, Total	1720	867	2330	**70**	Q	-	-	75-125	-	20
Chromium, Total	20.1	17.3	38.3	105		-	-	75-125	-	20
Cobalt, Total	7.73	43.4	48.7	94		-	-	75-125	-	20
Copper, Total	65.1	21.7	128	**290**	Q	-	-	75-125	-	20
Iron, Total	16700	86.7	17100	**461**	Q	-	-	75-125	-	20
Lead, Total	23.1	46	93.1	**152**	Q	-	-	75-125	-	20
Magnesium, Total	3080	867	3390	**36**	Q	-	-	75-125	-	20
Manganese, Total	125	43.4	168	99		-	-	75-125	-	20
Nickel, Total	22.5	43.4	65.8	100		-	-	75-125	-	20
Potassium, Total	1310	867	1920	**70**	Q	-	-	75-125	-	20
Selenium, Total	0.311J	10.4	11.3	108		-	-	75-125	-	20
Silver, Total	0.519	4.34	4.36	88		-	-	75-125	-	20
Sodium, Total	258	867	1100	97		-	-	75-125	-	20
Thallium, Total	1.25J	10.4	11.1	107		-	-	75-125	-	20
Vanadium, Total	22.9	43.4	64.6	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843944-3 QC Sample: L2362801-01 Client ID: MS Sample										
Zinc, Total	83.3	43.4	227	**331**	Q	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1843725-4 QC Sample: L2362175-01 Client ID: DUP Sample						
Copper, Total	0.0538	0.0530	mg/l	1		20
Iron, Total	10.2	10.2	mg/l	0		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1843726-4 QC Sample: L2362844-02 Client ID: FB-2023-10-23						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843934-4 QC Sample: L2363168-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843944-4 QC Sample: L2362801-01 Client ID: DUP Sample						
Aluminum, Total	6730	5360	mg/kg	**23**	Q	20
Antimony, Total	1.59J	4.62	mg/kg	NC		20
Arsenic, Total	4.56	6.55	mg/kg	**36**	Q	20
Barium, Total	50.5	65.2	mg/kg	**25**	Q	20
Beryllium, Total	0.897	0.729	mg/kg	**21**	Q	20
Cadmium, Total	0.300J	0.729J	mg/kg	NC		20
Calcium, Total	1720	2780	mg/kg	**47**	Q	20
Chromium, Total	20.1	21.9	mg/kg	9		20
Cobalt, Total	7.73	8.46	mg/kg	9		20
Copper, Total	65.1	128	mg/kg	**65**	Q	20
Iron, Total	16700	16900	mg/kg	1		20
Lead, Total	23.1	45.4	mg/kg	**65**	Q	20
Magnesium, Total	3080	2830	mg/kg	8		20
Manganese, Total	125	136	mg/kg	8		20
Nickel, Total	22.5	26.1	mg/kg	15		20
Potassium, Total	1310	1120	mg/kg	16		20
Selenium, Total	0.311J	1.20J	mg/kg	NC		20
Silver, Total	0.519	0.993	mg/kg	**63**	Q	20
Sodium, Total	258	238	mg/kg	8		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843944-4 QC Sample: L2362801-01 Client ID: DUP Sample						
Thallium, Total	1.25J	1.04J	mg/kg	NC		20
Vanadium, Total	22.9	22.8	mg/kg	0		20
Zinc, Total	83.3	179	mg/kg	**73**	Q	20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2362844
Report Date: 11/01/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1843944-6 QC Sample: L2362801-01 Client ID: DUP Sample						
Aluminum, Total	6730	7130	mg/kg	6		20
Barium, Total	50.5	53.4	mg/kg	6		20
Calcium, Total	1720	1830	mg/kg	6		20
Copper, Total	65.1	66.7	mg/kg	2		20
Iron, Total	16700	18500	mg/kg	11		20
Magnesium, Total	3080	3280	mg/kg	6		20
Manganese, Total	125	132	mg/kg	6		20
Vanadium, Total	22.9	24.0	mg/kg	5		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

SAMPLE RESULTS

Lab ID: L2362844-01
Client ID: EP-31 (10' BGS)
Sample Location: BRONX, NY

Date Collected: 10/23/23 11:50
Date Received: 10/23/23
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	79.7		%	0.100	NA	1	-	10/24/23 08:47	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2362844

Report Date: 11/01/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1843431-1 QC Sample: L2362801-02 Client ID: DUP Sample						
Solids, Total	87.0	86.9	%	0		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

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(*)
L2362844-01A	Vial MeOH preserved	A	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2362844-01B	Vial water preserved	A	NA		2.8	Y	Absent	24-OCT-23 06:42	NYTCL-8260HLW(14)
L2362844-01C	Vial water preserved	A	NA		2.8	Y	Absent	24-OCT-23 06:42	NYTCL-8260HLW(14)
L2362844-01D	Glass 60mL/2oz unpreserved	A	NA		2.8	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),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2362844-01E	Plastic 120ml unpreserved	A	NA		2.8	Y	Absent		TS(7)
L2362844-01F	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2362844-02A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2362844-02B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2362844-02C	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2362844-02D	Plastic 250ml HNO3 preserved	A	<2	<2	2.8	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),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CA-TI(180),CD-TI(180),K-TI(180)
L2362844-02E	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2362844-02F	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8082-LVI(365)
L2362844-02G	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2362844-02H	Amber 120ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8081(7)
L2362844-02I	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-LVI(7)
L2362844-02J	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-LVI(7)
L2362844-02K	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2362844-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2362844
Report Date: 11/01/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2362844-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

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:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

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:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

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:	SA 101E 150TH	**Lab Number:**	L2362844
Project Number:	41.0163097.00	**Report Date:**	11/01/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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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: 10/24/23

ALPHA Job #: L2362844

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email:

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082A	1,4-Dioxane				Sample Specific Comments	Total Bottle
62844-01	EP-3i (10' bgs)	10/23/23	11:50	S	JN	X	X	X	X	X					
02	FB 2023-10-23	↓	13:00	W	↓	↓	↓	↓	↓	↓					
03	TB 2023-10-23	↓	-	W	↓	↓	↓	↓	↓	↓					

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
Jazlyn Natalie (GZA)	10/23/23	MPZW ALPHA	10/23 19:45
MPZW ALPHA	10/23 18:46		10/23/23 19:00
	10/23/23	NAC	10/23 22:00
NAC	10/24 0:30		10/24/23 00:30

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

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

ANALYTICAL REPORT

Lab Number:	L2364575
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101E 150TH
Project Number:	41.0163097.00
Report Date:	11/15/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2364575-01	EP-22A (8' BGS)	SOIL	BRONX, NY	10/31/23 14:45	10/31/23
L2364575-02	FB-2023-10-31	WATER	BRONX, NY	10/31/23 14:00	10/31/23
L2364575-03	TB-2023-10-31	WATER	BRONX, NY	10/31/23 00:00	10/31/23

Project Name:	SA 101E 150TH	**Lab Number:**	L2364575
Project Number:	41.0163097.00	**Report Date:**	11/15/23

Case Narrative

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

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

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

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

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

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
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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.

Sample Receipt

L2364575-02: Headspace was noted in the sample containers submitted for TCL Volatiles - EPA 8260D. The analysis was performed at the client's request.

Volatile Organics

L2364575-02: Headspace was noted in the sample container utilized for analysis.

The WG1851548-5 Method Blank, associated with L2364575-01, has a concentration above the reporting limit for bromomethane. Since the associated sample concentration is non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Semivolatile Organics

The WG1848416-2 LCSD recovery, associated with L2364575-01, is below the acceptance criteria for benzoic acid (8%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Total Metals

L2364575-01: The sample has elevated detection limits for all elements, with the exception of manganese and 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: Cristin Walker

Title: Technical Director/Representative Date: 11/15/23

ORGANICS

VOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:45
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/10/23 17:31
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	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	3.5	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	3.5	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	3.5	0.81	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	0.26	J	ug/kg	1.3	0.12	1

Project Name: SA 101E 150TH **Lab Number:** L2364575

Project Number: 41.0163097.00 **Report Date:** 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01 Date Collected: 10/31/23 14:45

Client ID: EP-22A (8' BGS) Date Received: 10/31/23

Sample Location: 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	0.26	J	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	4.2	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	1.9	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	0.13	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	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:45
Date Received: 10/31/23
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	0.24	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	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	10.2	J	ug/kg			1
Unknown	3.60	J	ug/kg			1
Unknown	1.77	J	ug/kg			1
Unknown Alkane	2.85	J	ug/kg			1
Unknown Alkane	1.96	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/09/23 19:50
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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	1.24	J	ug/l			1
Unknown	1.24	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	117		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-03
Client ID: TB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 00:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/09/23 20:15
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-03
Client ID: TB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 00:00
Date Received: 10/31/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-03
Client ID: TB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 00:00
Date Received: 10/31/23
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	1.32	J	ug/l			1
Unknown	1.32	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	116		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/23 16:31
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1850808-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/23 16:31
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1850808-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/23 16:31
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1850808-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/09/23 16:31
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1850808-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	116		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/10/23 13:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1851548-5					
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	2.7		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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/10/23 13:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1851548-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/10/23 13:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1851548-5					
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	1.4	J	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	3.24	J	ug/kg
Unknown	3.24	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/10/23 13:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1851548-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1850808-3 WG1850808-4								
Methylene chloride	93		88		70-130	6		20
1,1-Dichloroethane	93		88		70-130	6		20
Chloroform	94		90		70-130	4		20
Carbon tetrachloride	95		88		63-132	8		20
1,2-Dichloropropane	87		83		70-130	5		20
Dibromochloromethane	75		74		63-130	1		20
1,1,2-Trichloroethane	81		78		70-130	4		20
Tetrachloroethene	87		81		70-130	7		20
Chlorobenzene	87		83		75-130	5		20
Trichlorofluoromethane	95		89		62-150	7		20
1,2-Dichloroethane	90		88		70-130	2		20
1,1,1-Trichloroethane	92		87		67-130	6		20
Bromodichloromethane	88		85		67-130	3		20
trans-1,3-Dichloropropene	78		75		70-130	4		20
cis-1,3-Dichloropropene	87		84		70-130	4		20
1,1-Dichloropropene	93		85		70-130	9		20
Bromoform	77		73		54-136	5		20
1,1,2,2-Tetrachloroethane	88		85		67-130	3		20
Benzene	94		88		70-130	7		20
Toluene	88		83		70-130	6		20
Ethylbenzene	90		84		70-130	7		20
Chloromethane	83		78		64-130	6		20
Bromomethane	130		120		39-139	8		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1850808-3 WG1850808-4								
Vinyl chloride	120		110		55-140	9		20
Chloroethane	**150**	Q	**140**	Q	55-138	7		20
1,1-Dichloroethene	94		88		61-145	7		20
trans-1,2-Dichloroethene	92		89		70-130	3		20
Trichloroethene	87		83		70-130	5		20
1,2-Dichlorobenzene	85		81		70-130	5		20
1,3-Dichlorobenzene	86		82		70-130	5		20
1,4-Dichlorobenzene	85		82		70-130	4		20
Methyl tert butyl ether	88		88		63-130	0		20
p/m-Xylene	90		85		70-130	6		20
o-Xylene	90		85		70-130	6		20
cis-1,2-Dichloroethene	92		89		70-130	3		20
Dibromomethane	90		89		70-130	1		20
1,2,3-Trichloropropane	86		84		64-130	2		20
Acrylonitrile	82		86		70-130	5		20
Styrene	90		85		70-130	6		20
Dichlorodifluoromethane	75		70		36-147	7		20
Acetone	79		81		58-148	3		20
Carbon disulfide	95		88		51-130	8		20
2-Butanone	79		80		63-138	1		20
Vinyl acetate	94		91		70-130	3		20
4-Methyl-2-pentanone	71		69		59-130	3		20
2-Hexanone	68		72		57-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1850808-3 WG1850808-4								
Bromochloromethane	92		90		70-130	2		20
2,2-Dichloropropane	100		96		63-133	4		20
1,2-Dibromoethane	82		82		70-130	0		20
1,3-Dichloropropane	84		80		70-130	5		20
1,1,1,2-Tetrachloroethane	73		72		64-130	1		20
Bromobenzene	83		81		70-130	2		20
n-Butylbenzene	96		89		53-136	8		20
sec-Butylbenzene	95		89		70-130	7		20
tert-Butylbenzene	86		82		70-130	5		20
o-Chlorotoluene	89		84		70-130	6		20
p-Chlorotoluene	88		83		70-130	6		20
1,2-Dibromo-3-chloropropane	73		70		41-144	4		20
Hexachlorobutadiene	88		82		63-130	7		20
Isopropylbenzene	88		83		70-130	6		20
p-Isopropyltoluene	89		83		70-130	7		20
Naphthalene	80		78		70-130	3		20
n-Propylbenzene	89		84		69-130	6		20
1,2,3-Trichlorobenzene	86		82		70-130	5		20
1,2,4-Trichlorobenzene	83		81		70-130	2		20
1,3,5-Trimethylbenzene	89		83		64-130	7		20
1,2,4-Trimethylbenzene	88		84		70-130	5		20
1,4-Dioxane	92		98		56-162	6		20
p-Diethylbenzene	82		77		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1850808-3 WG1850808-4								
p-Ethyltoluene	88		83		70-130	6		20
1,2,4,5-Tetramethylbenzene	77		74		70-130	4		20
Ethyl ether	90		88		59-134	2		20
trans-1,4-Dichloro-2-butene	86		80		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		114		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	111		112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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 Batch: WG1851548-3 WG1851548-4								
Methylene chloride	95		88		70-130	8		30
1,1-Dichloroethane	86		82		70-130	5		30
Chloroform	80		85		70-130	6		30
Carbon tetrachloride	80		80		70-130	0		30
1,2-Dichloropropane	76		73		70-130	4		30
Dibromochloromethane	88		89		70-130	1		30
1,1,2-Trichloroethane	87		87		70-130	0		30
Tetrachloroethene	92		94		70-130	2		30
Chlorobenzene	86		89		70-130	3		30
Trichlorofluoromethane	78		80		70-139	3		30
1,2-Dichloroethane	72		78		70-130	8		30
1,1,1-Trichloroethane	80		82		70-130	2		30
Bromodichloromethane	83		78		70-130	6		30
trans-1,3-Dichloropropene	87		84		70-130	4		30
cis-1,3-Dichloropropene	91		80		70-130	13		30
1,1-Dichloropropene	88		94		70-130	7		30
Bromoform	92		89		70-130	3		30
1,1,2,2-Tetrachloroethane	87		79		70-130	10		30
Benzene	86		92		70-130	7		30
Toluene	86		88		70-130	2		30
Ethylbenzene	91		91		70-130	0		30
Chloromethane	52		**49**	Q	52-130	6		30
Bromomethane	93		90		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

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 Batch: WG1851548-3 WG1851548-4								
Vinyl chloride	**64**	Q	**60**	Q	67-130	6		30
Chloroethane	73		80		50-151	9		30
1,1-Dichloroethene	92		89		65-135	3		30
trans-1,2-Dichloroethene	92		87		70-130	6		30
Trichloroethene	85		93		70-130	9		30
1,2-Dichlorobenzene	90		88		70-130	2		30
1,3-Dichlorobenzene	91		87		70-130	4		30
1,4-Dichlorobenzene	89		86		70-130	3		30
Methyl tert butyl ether	96		88		66-130	9		30
p/m-Xylene	93		95		70-130	2		30
o-Xylene	96		98		70-130	2		30
cis-1,2-Dichloroethene	95		90		70-130	5		30
Dibromomethane	85		86		70-130	1		30
Styrene	88		90		70-130	2		30
Dichlorodifluoromethane	66		66		30-146	0		30
Acetone	106		99		54-140	7		30
Carbon disulfide	89		83		59-130	7		30
2-Butanone	**58**	Q	**69**	Q	70-130	17		30
Vinyl acetate	89		**63**	Q	70-130	**34**	Q	30
4-Methyl-2-pentanone	78		74		70-130	5		30
1,2,3-Trichloropropane	84		80		68-130	5		30
2-Hexanone	**65**	Q	**60**	Q	70-130	8		30
Bromochloromethane	90		88		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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 Batch: WG1851548-3 WG1851548-4								
2,2-Dichloropropane	89		80		70-130	11		30
1,2-Dibromoethane	94		96		70-130	2		30
1,3-Dichloropropane	87		87		69-130	0		30
1,1,1,2-Tetrachloroethane	88		89		70-130	1		30
Bromobenzene	90		91		70-130	1		30
n-Butylbenzene	92		85		70-130	8		30
sec-Butylbenzene	94		94		70-130	0		30
tert-Butylbenzene	91		92		70-130	1		30
o-Chlorotoluene	89		89		70-130	0		30
p-Chlorotoluene	90		88		70-130	2		30
1,2-Dibromo-3-chloropropane	93		86		68-130	8		30
Hexachlorobutadiene	94		90		67-130	4		30
Isopropylbenzene	83		83		70-130	0		30
p-Isopropyltoluene	83		81		70-130	2		30
Naphthalene	97		90		70-130	7		30
Acrylonitrile	87		77		70-130	12		30
n-Propylbenzene	92		91		70-130	1		30
1,2,3-Trichlorobenzene	97		87		70-130	11		30
1,2,4-Trichlorobenzene	98		85		70-130	14		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	95		93		70-130	2		30
1,4-Dioxane	112		94		65-136	17		30
p-Diethylbenzene	93		86		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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 Batch: WG1851548-3 WG1851548-4								
p-Ethyltoluene	95		92		70-130	3		30
1,2,4,5-Tetramethylbenzene	82		76		70-130	8		30
Ethyl ether	91		83		67-130	9		30
trans-1,4-Dichloro-2-butene	**69**	Q	**58**	Q	70-130	17		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	96		93		70-130

SEMIVOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:45
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 02:43
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/05/23 05:01

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	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	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: SA 101E 150TH **Lab Number:** L2364575

Project Number: 41.0163097.00 **Report Date:** 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01 Date Collected: 10/31/23 14:45

Client ID: EP-22A (8' BGS) Date Received: 10/31/23

Sample Location: 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	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	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: SA 101E 150TH
Lab Number: L2364575
Project Number: 41.0163097.00
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:45
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	68		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/06/23 03:40
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 11/03/23 16:21

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Tentatively Identified Compounds						
Total TIC Compounds	20.2	J	ug/l			1
Unknown	7.64	J	ug/l			1
Unknown Organic Acid	2.80	J	ug/l			1
Unknown	2.04	J	ug/l			1
Unknown	5.96	J	ug/l			1
Unknown	1.78	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	72		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/09/23 20:09
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/06/23 13:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	43		15-110

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/04/23 18:38
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 11/03/23 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1848131-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/04/23 18:38
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 11/03/23 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1848131-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/04/23 18:38
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 11/03/23 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1848131-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	29.1	J	ug/l
Unknown	1.82	J	ug/l
Unknown	3.38	J	ug/l
Unknown	1.49	J	ug/l
Unknown	7.13	J	ug/l
Unknown	2.73	J	ug/l
Unknown	2.91	J	ug/l
Unknown	7.60	J	ug/l
Unknown Organic Acid	2.00	J	ug/l

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/04/23 18:38
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 11/03/23 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1848131-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	43		10-120
4-Terphenyl-d14	51		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 21:20
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/05/23 05:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1848416-1					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 21:20
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/05/23 05:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1848416-1					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 21:20
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/05/23 05:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1848416-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	79.
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	82		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	81		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/09/23 19:02
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/06/23 13:15

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 02 Batch: WG1848810-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	44		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1848131-2 WG1848131-3								
Acenaphthene	53		54		37-111	2		30
1,2,4-Trichlorobenzene	58		59		39-98	2		30
Hexachlorobenzene	53		53		40-140	0		30
Bis(2-chloroethyl)ether	60		62		40-140	3		30
2-Chloronaphthalene	58		59		40-140	2		30
1,2-Dichlorobenzene	59		60		40-140	2		30
1,3-Dichlorobenzene	56		57		40-140	2		30
1,4-Dichlorobenzene	58		60		36-97	3		30
3,3'-Dichlorobenzidine	46		46		40-140	0		30
2,4-Dinitrotoluene	55		54		48-143	2		30
2,6-Dinitrotoluene	59		59		40-140	0		30
Fluoranthene	54		54		40-140	0		30
4-Chlorophenyl phenyl ether	55		55		40-140	0		30
4-Bromophenyl phenyl ether	55		52		40-140	6		30
Bis(2-chloroisopropyl)ether	63		63		40-140	0		30
Bis(2-chloroethoxy)methane	61		62		40-140	2		30
Hexachlorobutadiene	54		54		40-140	0		30
Hexachlorocyclopentadiene	52		51		40-140	2		30
Hexachloroethane	58		60		40-140	3		30
Isophorone	60		62		40-140	3		30
Naphthalene	59		59		40-140	0		30
Nitrobenzene	60		62		40-140	3		30
NDPA/DPA	58		57		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1848131-2 WG1848131-3								
n-Nitrosodi-n-propylamine	62		63		29-132	2		30
Bis(2-ethylhexyl)phthalate	61		60		40-140	2		30
Butyl benzyl phthalate	59		59		40-140	0		30
Di-n-butylphthalate	55		54		40-140	2		30
Di-n-octylphthalate	61		60		40-140	2		30
Diethyl phthalate	58		57		40-140	2		30
Dimethyl phthalate	61		59		40-140	3		30
Benzo(a)anthracene	57		58		40-140	2		30
Benzo(a)pyrene	58		60		40-140	3		30
Benzo(b)fluoranthene	57		62		40-140	8		30
Benzo(k)fluoranthene	54		55		40-140	2		30
Chrysene	55		57		40-140	4		30
Acenaphthylene	60		58		45-123	3		30
Anthracene	54		56		40-140	4		30
Benzo(ghi)perylene	58		58		40-140	0		30
Fluorene	58		57		40-140	2		30
Phenanthrene	53		54		40-140	2		30
Dibenzo(a,h)anthracene	55		55		40-140	0		30
Indeno(1,2,3-cd)pyrene	59		58		40-140	2		30
Pyrene	52		55		26-127	6		30
Biphenyl	62		63		40-140	2		30
4-Chloroaniline	54		59		40-140	9		30
2-Nitroaniline	63		63		52-143	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1848131-2 WG1848131-3								
3-Nitroaniline	56		58		25-145	4		30
4-Nitroaniline	55		58		51-143	5		30
Dibenzofuran	56		56		40-140	0		30
2-Methylnaphthalene	59		60		40-140	2		30
1,2,4,5-Tetrachlorobenzene	59		61		2-134	3		30
Acetophenone	63		66		39-129	5		30
2,4,6-Trichlorophenol	60		62		30-130	3		30
p-Chloro-m-cresol	62		64		23-97	3		30
2-Chlorophenol	61		62		27-123	2		30
2,4-Dichlorophenol	62		62		30-130	0		30
2,4-Dimethylphenol	52		61		30-130	16		30
2-Nitrophenol	62		62		30-130	0		30
4-Nitrophenol	52		54		10-80	4		30
2,4-Dinitrophenol	60		55		20-130	9		30
4,6-Dinitro-o-cresol	64		62		20-164	3		30
Pentachlorophenol	60		60		9-103	0		30
Phenol	47		51		12-110	8		30
2-Methylphenol	60		61		30-130	2		30
3-Methylphenol/4-Methylphenol	64		66		30-130	3		30
2,4,5-Trichlorophenol	62		61		30-130	2		30
Benzoic Acid	37		31		10-164	18		30
Benzyl Alcohol	60		63		26-116	5		30
Carbazole	58		57		55-144	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1848131-2 WG1848131-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		57		21-120
Phenol-d6	45		49		10-120
Nitrobenzene-d5	63		63		23-120
2-Fluorobiphenyl	59		58		15-120
2,4,6-Tribromophenol	56		53		10-120
4-Terphenyl-d14	52		52		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

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Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1848416-2 WG1848416-3								
Acenaphthene	78		77		31-137	1		50
1,2,4-Trichlorobenzene	74		74		38-107	0		50
Hexachlorobenzene	74		72		40-140	3		50
Bis(2-chloroethyl)ether	81		82		40-140	1		50
2-Chloronaphthalene	80		79		40-140	1		50
1,2-Dichlorobenzene	75		76		40-140	1		50
1,3-Dichlorobenzene	71		73		40-140	3		50
1,4-Dichlorobenzene	73		76		28-104	4		50
3,3'-Dichlorobenzidine	77		73		40-140	5		50
2,4-Dinitrotoluene	89		85		40-132	5		50
2,6-Dinitrotoluene	86		88		40-140	2		50
Fluoranthene	86		84		40-140	2		50
4-Chlorophenyl phenyl ether	78		75		40-140	4		50
4-Bromophenyl phenyl ether	76		74		40-140	3		50
Bis(2-chloroisopropyl)ether	100		102		40-140	2		50
Bis(2-chloroethoxy)methane	83		84		40-117	1		50
Hexachlorobutadiene	70		70		40-140	0		50
Hexachlorocyclopentadiene	66		66		40-140	0		50
Hexachloroethane	78		77		40-140	1		50
Isophorone	84		84		40-140	0		50
Naphthalene	78		79		40-140	1		50
Nitrobenzene	85		87		40-140	2		50
NDPA/DPA	83		81		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1848416-2 WG1848416-3								
n-Nitrosodi-n-propylamine	87		88		32-121	1		50
Bis(2-ethylhexyl)phthalate	102		98		40-140	4		50
Butyl benzyl phthalate	98		96		40-140	2		50
Di-n-butylphthalate	92		91		40-140	1		50
Di-n-octylphthalate	105		105		40-140	0		50
Diethyl phthalate	86		83		40-140	4		50
Dimethyl phthalate	83		83		40-140	0		50
Benzo(a)anthracene	87		85		40-140	2		50
Benzo(a)pyrene	89		87		40-140	2		50
Benzo(b)fluoranthene	84		83		40-140	1		50
Benzo(k)fluoranthene	87		85		40-140	2		50
Chrysene	87		87		40-140	0		50
Acenaphthylene	78		78		40-140	0		50
Anthracene	86		85		40-140	1		50
Benzo(ghi)perylene	86		84		40-140	2		50
Fluorene	81		78		40-140	4		50
Phenanthrene	84		82		40-140	2		50
Dibenzo(a,h)anthracene	87		87		40-140	0		50
Indeno(1,2,3-cd)pyrene	95		96		40-140	1		50
Pyrene	85		84		35-142	1		50
Biphenyl	79		78		37-127	1		50
4-Chloroaniline	90		89		40-140	1		50
2-Nitroaniline	91		91		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1848416-2 WG1848416-3								
3-Nitroaniline	82		76		26-129	8		50
4-Nitroaniline	89		86		41-125	3		50
Dibenzofuran	82		80		40-140	2		50
2-Methylnaphthalene	81		81		40-140	0		50
1,2,4,5-Tetrachlorobenzene	74		75		40-117	1		50
Acetophenone	78		80		14-144	3		50
2,4,6-Trichlorophenol	82		84		30-130	2		50
p-Chloro-m-cresol	90		91		26-103	1		50
2-Chlorophenol	84		85		25-102	1		50
2,4-Dichlorophenol	87		87		30-130	0		50
2,4-Dimethylphenol	72		72		30-130	0		50
2-Nitrophenol	85		85		30-130	0		50
4-Nitrophenol	104		102		11-114	2		50
2,4-Dinitrophenol	62		68		4-130	9		50
4,6-Dinitro-o-cresol	94		92		10-130	2		50
Pentachlorophenol	83		80		17-109	4		50
Phenol	86		89		26-90	3		50
2-Methylphenol	84		85		30-130.	1		50
3-Methylphenol/4-Methylphenol	91		93		30-130	2		50
2,4,5-Trichlorophenol	88		88		30-130	0		50
Benzoic Acid	**8**	Q	16		10-110	**62**	Q	50
Benzyl Alcohol	87		88		40-140	1		50
Carbazole	88		85		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1848416-2 WG1848416-3								
1,4-Dioxane	56		57		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		85		25-120
Phenol-d6	87		86		10-120
Nitrobenzene-d5	80		81		23-120
2-Fluorobiphenyl	76		76		30-120
2,4,6-Tribromophenol	80		78		10-136
4-Terphenyl-d14	77		77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1848810-2 WG1848810-3								
1,4-Dioxane	113		115		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	45		45		15-110

PCBS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:45
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 17:23
Analyst: MEO
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 14:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.2	4.82	1	A
Aroclor 1221	ND		ug/kg	54.2	5.43	1	A
Aroclor 1232	ND		ug/kg	54.2	11.5	1	A
Aroclor 1242	ND		ug/kg	54.2	7.31	1	A
Aroclor 1248	ND		ug/kg	54.2	8.13	1	A
Aroclor 1254	21.2	J	ug/kg	54.2	5.93	1	B
Aroclor 1260	ND		ug/kg	54.2	10.0	1	A
Aroclor 1262	ND		ug/kg	54.2	6.89	1	A
Aroclor 1268	ND		ug/kg	54.2	5.62	1	A
PCBs, Total	21.2	J	ug/kg	54.2	4.82	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	35		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	39		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/11/23 10:16
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 11/10/23 13:39
Cleanup Method: EPA 3665A
Cleanup Date: 11/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/10/23

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	79		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/06/23 19:11
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 11/05/23 19:08
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1848551-1						
Aroclor 1016	ND		ug/kg	47.4	4.21	A
Aroclor 1221	ND		ug/kg	47.4	4.75	A
Aroclor 1232	ND		ug/kg	47.4	10.0	A
Aroclor 1242	ND		ug/kg	47.4	6.39	A
Aroclor 1248	ND		ug/kg	47.4	7.12	A
Aroclor 1254	ND		ug/kg	47.4	5.19	A
Aroclor 1260	ND		ug/kg	47.4	8.77	A
Aroclor 1262	ND		ug/kg	47.4	6.02	A
Aroclor 1268	ND		ug/kg	47.4	4.91	A
PCBs, Total	ND		ug/kg	47.4	4.21	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/11/23 11:25
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 11/10/23 09:07
Cleanup Method: EPA 3665A
Cleanup Date: 11/10/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/10/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1850773-1						
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	74		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1848551-2 WG1848551-3									
Aroclor 1016	101		102		40-140	1		50	A
Aroclor 1260	105		100		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		91		30-150	A
Decachlorobiphenyl	103		97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		78		30-150	B
Decachlorobiphenyl	93		82		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1850773-2 WG1850773-3									
Aroclor 1016	71		71		40-140	0		50	A
Aroclor 1260	67		66		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		75		30-150	A
Decachlorobiphenyl	70		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		71		30-150	B
Decachlorobiphenyl	69		68		30-150	B

PESTICIDES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:45
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 18:01
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 14:45
Cleanup Method: EPA 3620B
Cleanup Date: 11/07/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/07/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.355	1	A
Lindane	ND		ug/kg	0.755	0.337	1	A
Alpha-BHC	ND		ug/kg	0.755	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.687	1	A
Heptachlor	ND		ug/kg	0.906	0.406	1	A
Aldrin	ND		ug/kg	1.81	0.638	1	A
Heptachlor epoxide	ND		ug/kg	3.40	1.02	1	A
Endrin	ND		ug/kg	0.755	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.792	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.566	1	A
4,4'-DDE	ND		ug/kg	1.81	0.419	1	A
4,4'-DDD	ND		ug/kg	1.81	0.646	1	A
4,4'-DDT	ND		ug/kg	1.81	1.46	1	A
Endosulfan I	ND		ug/kg	1.81	0.428	1	A
Endosulfan II	ND		ug/kg	1.81	0.605	1	A
Endosulfan sulfate	ND		ug/kg	0.755	0.359	1	A
Methoxychlor	ND		ug/kg	3.40	1.06	1	A
Toxaphene	ND		ug/kg	34.0	9.51	1	A
cis-Chlordane	ND		ug/kg	2.26	0.631	1	A
trans-Chlordane	ND		ug/kg	2.26	0.598	1	A
Chlordane	ND		ug/kg	15.1	6.00	1	A

Project Name: SA 101E 150TH
Lab Number: L2364575
Project Number: 41.0163097.00
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:45
Date Received: 10/31/23
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	55		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	52		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:00
Date Received: 10/31/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/03/23 14:52
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 12:09

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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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	50		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/03/23 14:17
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 12:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1847545-1						
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/03/23 14:17
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 11/02/23 12:09

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1847545-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/07/23 16:46
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 11/05/23 19:54
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1848555-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.784	0.352	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.882	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.686	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.980	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	1.57	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.915	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	13.1	5.20	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/07/23 16:46
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 11/05/23 19:54
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1848555-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1847545-2 WG1847545-3									
Delta-BHC	52		73		30-150	**34**	Q	20	A
Lindane	49		69		30-150	**34**	Q	20	A
Alpha-BHC	49		69		30-150	**34**	Q	20	A
Beta-BHC	51		70		30-150	**32**	Q	20	A
Heptachlor	50		68		30-150	**31**	Q	20	A
Aldrin	45		62		30-150	**32**	Q	20	A
Heptachlor epoxide	48		66		30-150	**31**	Q	20	A
Endrin	45		65		30-150	**36**	Q	20	A
Endrin aldehyde	43		58		30-150	**30**	Q	20	A
Endrin ketone	62		85		30-150	**32**	Q	20	A
Dieldrin	52		72		30-150	**32**	Q	20	A
4,4'-DDE	44		63		30-150	**36**	Q	20	A
4,4'-DDD	50		72		30-150	**36**	Q	20	A
4,4'-DDT	57		80		30-150	**34**	Q	20	A
Endosulfan I	53		66		30-150	**21**	Q	20	A
Endosulfan II	48		68		30-150	**33**	Q	20	A
Endosulfan sulfate	48		68		30-150	**33**	Q	20	A
Methoxychlor	91		102		30-150	11		20	A
cis-Chlordane	42		59		30-150	**34**	Q	20	A
trans-Chlordane	49		66		30-150	**30**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1847545-2 WG1847545-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		64		30-150	A
Decachlorobiphenyl	46		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		62		30-150	B
Decachlorobiphenyl	43		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1848555-2 WG1848555-3									
Delta-BHC	91		94		30-150	3		30	A
Lindane	84		85		30-150	1		30	A
Alpha-BHC	87		90		30-150	3		30	A
Beta-BHC	95		97		30-150	2		30	A
Heptachlor	82		84		30-150	2		30	A
Aldrin	86		87		30-150	1		30	A
Heptachlor epoxide	76		78		30-150	3		30	A
Endrin	84		86		30-150	2		30	A
Endrin aldehyde	77		76		30-150	1		30	A
Endrin ketone	86		88		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	90		93		30-150	3		30	A
4,4'-DDD	94		96		30-150	2		30	A
4,4'-DDT	85		88		30-150	3		30	A
Endosulfan I	84		86		30-150	2		30	A
Endosulfan II	87		89		30-150	2		30	A
Endosulfan sulfate	79		81		30-150	3		30	A
Methoxychlor	80		81		30-150	1		30	A
cis-Chlordane	81		83		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1848555-2 WG1848555-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		74		30-150	B
Decachlorobiphenyl	79		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1848555-2 WG1848555-3									
trans-Chlordane	87		89		30-150	2		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		74		30-150	B
Decachlorobiphenyl	79		81		30-150	B

METALS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:45
Date Received: 10/31/23
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	5460		mg/kg	9.10	2.46	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.55	0.346	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.20		mg/kg	0.910	0.189	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Barium, Total	23.7		mg/kg	0.910	0.158	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.312	J	mg/kg	0.455	0.030	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.910	0.089	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Calcium, Total	574		mg/kg	9.10	3.18	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Chromium, Total	8.45		mg/kg	0.910	0.087	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.68		mg/kg	1.82	0.151	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Copper, Total	7.15		mg/kg	0.910	0.235	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Iron, Total	9780		mg/kg	4.55	0.821	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Lead, Total	4.85		mg/kg	4.55	0.244	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Magnesium, Total	1930		mg/kg	9.10	1.40	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Manganese, Total	333		mg/kg	0.449	0.071	1	11/10/23 10:40	11/10/23 16:36	EPA 3050B	1,6010D	MAM
Mercury, Total	ND		mg/kg	0.084	0.055	1	11/08/23 00:39	11/14/23 12:49	EPA 7471B	1,7471B	GMG
Nickel, Total	8.07		mg/kg	2.27	0.220	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Potassium, Total	702		mg/kg	227	13.1	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.82	0.235	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.455	0.257	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Sodium, Total	63.4	J	mg/kg	182	2.86	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Thallium, Total	0.405	J	mg/kg	1.82	0.286	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Vanadium, Total	11.1		mg/kg	0.910	0.185	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF
Zinc, Total	17.7		mg/kg	4.55	0.266	2	11/07/23 23:20	11/09/23 20:34	EPA 3050B	1,6010D	JMF

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-02
Client ID: FB-2023-10-31
Sample Location: BRONX, NY
Date Collected: 10/31/23 14:00
Date Received: 10/31/23
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	ND		mg/l	0.100	0.0318	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Antimony, Total	0.0085	J	mg/l	0.0500	0.0071	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Calcium, Total	0.0757	J	mg/l	0.100	0.0350	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Magnesium, Total	0.0160	J	mg/l	0.100	0.0153	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/10/23 01:40	11/14/23 15:45	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Potassium, Total	ND		mg/l	2.50	0.237	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Sodium, Total	0.358	J	mg/l	2.00	0.120	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/10/23 00:34	11/13/23 16:07	EPA 3005A	1,6010D	TAA

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1849313-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Potassium, Total	ND		mg/l	2.50	0.237	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Sodium, Total	ND		mg/l	2.00	0.120	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/10/23 00:34	11/13/23 16:00	1,6010D	TAA

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): 02 Batch: WG1849316-1										
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	11/10/23 01:40	11/13/23 15:54	1,7470A	AMW

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

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 Batch: WG1849427-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Chromium, Total	0.199	J	mg/kg	0.400	0.038	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Iron, Total	0.815	J	mg/kg	2.00	0.361	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Nickel, Total	0.109	J	mg/kg	1.00	0.097	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/07/23 23:20	11/09/23 20:22	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2364575
Report Date: 11/15/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1849429-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/08/23 00:39	11/13/23 12:39	1,7471B	RJP

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): 01 Batch: WG1850673-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/10/23 10:40	11/10/23 15:56	1,6010D	MAM
Lead, Total	ND		mg/kg	2.00	0.107	1	11/10/23 10:40	11/10/23 15:56	1,6010D	MAM
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/10/23 10:40	11/10/23 15:56	1,6010D	MAM

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1849313-2								
Aluminum, Total	106		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	97		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	100		-		80-120	-		
Chromium, Total	100		-		80-120	-		
Cobalt, Total	101		-		80-120	-		
Copper, Total	93		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	98		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	97		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	94		-		80-120	-		
Silver, Total	98		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	98		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1849313-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1849316-2					
Mercury, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1849427-2 SRM Lot Number: D119-540					
Aluminum, Total	80	-	48-152	-	
Antimony, Total	136	-	10-190	-	
Arsenic, Total	104	-	83-117	-	
Barium, Total	100	-	82-118	-	
Beryllium, Total	101	-	83-117	-	
Cadmium, Total	90	-	82-117	-	
Calcium, Total	106	-	81-118	-	
Chromium, Total	100	-	82-119	-	
Cobalt, Total	97	-	83-117	-	
Copper, Total	95	-	84-116	-	
Iron, Total	116	-	60-140	-	
Lead, Total	110	-	82-118	-	
Magnesium, Total	90	-	76-124	-	
Nickel, Total	95	-	82-117	-	
Potassium, Total	88	-	70-130	-	
Selenium, Total	103	-	79-121	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	98	-	74-126	-	
Thallium, Total	101	-	81-119	-	
Vanadium, Total	100	-	79-121	-	
Zinc, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1849429-2 SRM Lot Number: D119-540					
Mercury, Total	102	-	73-127	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1850673-2 SRM Lot Number: D119-540					
Arsenic, Total	106	-	83-117	-	
Lead, Total	101	-	82-118	-	
Manganese, Total	94	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1849313-3 QC Sample: L2365205-01 Client ID: MS Sample												
Aluminum, Total	0.446	2	2.47	101		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.565	113		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.124	103		-	-		75-125	-		20
Barium, Total	0.0058J	2	1.98	99		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0507	101		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0512	97		-	-		75-125	-		20
Calcium, Total	31.3	10	39.5	82		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.197	98		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.487	97		-	-		75-125	-		20
Copper, Total	0.010	0.25	0.249	96		-	-		75-125	-		20
Iron, Total	0.210	1	1.14	93		-	-		75-125	-		20
Lead, Total	ND	0.53	0.513	97		-	-		75-125	-		20
Magnesium, Total	6.94	10	16.2	93		-	-		75-125	-		20
Manganese, Total	0.036	0.5	0.500	93		-	-		75-125	-		20
Nickel, Total	0.003J	0.5	0.466	93		-	-		75-125	-		20
Potassium, Total	65.8	10	74.6	88		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.123	102		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0495	99		-	-		75-125	-		20
Sodium, Total	128	10	135	**70**	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.114	95		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.490	98		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

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): 02 QC Batch ID: WG1849313-3 QC Sample: L2365205-01 Client ID: MS Sample									
Zinc, Total	0.023J	0.5	0.506	101	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1849316-3 QC Sample: L2365214-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00495	99	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849427-3 QC Sample: L2365667-01 Client ID: MS Sample										
Aluminum, Total	9020	200	9150	**65**	Q	-	-	75-125	-	20
Antimony, Total	ND	50	45.5	91		-	-	75-125	-	20
Arsenic, Total	6.71	12	18.2	96		-	-	75-125	-	20
Barium, Total	53.4	200	233	90		-	-	75-125	-	20
Beryllium, Total	0.462J	5	5.23	104		-	-	75-125	-	20
Cadmium, Total	ND	5.3	4.46	84		-	-	75-125	-	20
Calcium, Total	3780	1000	6820	**304**	Q	-	-	75-125	-	20
Chromium, Total	17.1	20	33.8	83		-	-	75-125	-	20
Cobalt, Total	7.77	50	50.7	86		-	-	75-125	-	20
Copper, Total	24.8	25	52.1	109		-	-	75-125	-	20
Iron, Total	19100	100	16400	**0**	Q	-	-	75-125	-	20
Lead, Total	41.0	53	94.9	102		-	-	75-125	-	20
Magnesium, Total	2700	1000	5190	**249**	Q	-	-	75-125	-	20
Nickel, Total	11.4	50	53.8	85		-	-	75-125	-	20
Potassium, Total	702	1000	1680	98		-	-	75-125	-	20
Selenium, Total	ND	12	13.0	108		-	-	75-125	-	20
Silver, Total	0.375J	5	4.94	99		-	-	75-125	-	20
Sodium, Total	225	1000	1180	95		-	-	75-125	-	20
Thallium, Total	0.925J	12	13.3	111		-	-	75-125	-	20
Vanadium, Total	45.6	50	84.0	77		-	-	75-125	-	20
Zinc, Total	78.1	50	127	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849429-3 QC Sample: L2365667-01 Client ID: MS Sample									
Mercury, Total	0.118	1.86	1.94	98	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1850673-3 QC Sample: L2365667-01 Client ID: MS Sample									
Arsenic, Total	5.58	11.7	19.7	121	-	-	75-125	-	20
Lead, Total	37.2	51.7	91.4	105	-	-	75-125	-	20
Manganese, Total	324	48.8	366	86	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1849313-4 QC Sample: L2365205-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.0058J	0.0058J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1849316-4 QC Sample: L2365214-01 Client ID: DUP Sample						
Mercury, Total	ND	0.00013J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849427-4 QC Sample: L2365667-01 Client ID: DUP Sample						
Aluminum, Total	9020	8510	mg/kg	6		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	6.71	4.71	mg/kg	**35**	Q	20
Barium, Total	53.4	47.2	mg/kg	12		20
Beryllium, Total	0.462J	0.392J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	3780	3070	mg/kg	**21**	Q	20
Chromium, Total	17.1	15.6	mg/kg	9		20
Cobalt, Total	7.77	7.75	mg/kg	0		20
Copper, Total	24.8	24.8	mg/kg	0		20
Iron, Total	19100	16200	mg/kg	16		20
Lead, Total	41.0	35.6	mg/kg	14		20
Magnesium, Total	2700	2760	mg/kg	2		20
Nickel, Total	11.4	10.9	mg/kg	4		20
Potassium, Total	702	622	mg/kg	12		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	0.375J	0.307J	mg/kg	NC		20
Sodium, Total	225	187J	mg/kg	NC		20
Thallium, Total	0.925J	0.939J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849427-4 QC Sample: L2365667-01 Client ID: DUP Sample					
Vanadium, Total	45.6	42.2	mg/kg	8	20
Zinc, Total	78.1	73.7	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849429-4 QC Sample: L2365667-01 Client ID: DUP Sample					
Mercury, Total	0.118	0.141	mg/kg	18	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1850673-4 QC Sample: L2365667-01 Client ID: DUP Sample					
Manganese, Total	324	327	mg/kg	1	20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2364575
Report Date: 11/15/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1849427-6 QC Sample: L2365667-01 Client ID: DUP Sample						
Aluminum, Total	9020	9640	mg/kg	7		20
Barium, Total	53.4	56.4	mg/kg	6		20
Calcium, Total	3780	4230	mg/kg	12		20
Iron, Total	19100	22400	mg/kg	17		20
Magnesium, Total	2700	2950	mg/kg	9		20
Vanadium, Total	45.6	48.4	mg/kg	6		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

SAMPLE RESULTS

Lab ID: L2364575-01
Client ID: EP-22A (8' BGS)
Sample Location: BRONX, NY

Date Collected: 10/31/23 14:45
Date Received: 10/31/23
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	87.4		%	0.100	NA	1	-	11/01/23 10:25	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2364575

Report Date: 11/15/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1846794-1 QC Sample: L2364513-01 Client ID: DUP Sample						
Solids, Total	92.1	92.8	%	1		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

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(*)
L2364575-01A	Vial MeOH preserved	A	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2364575-01B	Vial water preserved	A	NA		3.5	Y	Absent	01-NOV-23 08:13	NYTCL-8260HLW(14)
L2364575-01C	Vial water preserved	A	NA		3.5	Y	Absent	01-NOV-23 08:13	NYTCL-8260HLW(14)
L2364575-01D	Plastic 120ml unpreserved	A	NA		3.5	Y	Absent		TS(7)
L2364575-01E	Glass 60mL/2oz unpreserved	A	NA		3.5	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),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-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)
L2364575-01F	Glass 250ml/8oz unpreserved	A	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2364575-02A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364575-02B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364575-02C	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364575-02D	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2364575-02E	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2364575-02F	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2364575-02G	Amber 120ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2364575-02H	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2364575-02J	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2364575-02K	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-LVI(7)
L2364575-02L	Amber 250ml unpreserved	A	7	7	3.5	Y	Absent		NYTCL-8270-LVI(7)
L2364575-02M	Plastic 250ml HNO3 preserved	A	<2	<2	3.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),PB-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)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2364575
Report Date: 11/15/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2364575-03A	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)
L2364575-03B	Vial HCl preserved	A	NA		3.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101E 150TH	**Lab Number:**	L2364575
Project Number:	41.0163097.00	**Report Date:**	11/15/23

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:	SA 101E 150TH	**Lab Number:**	L2364575
Project Number:	41.0163097.00	**Report Date:**	11/15/23

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:	SA 101E 150TH	**Lab Number:**	L2364575
Project Number:	41.0163097.00	**Report Date:**	11/15/23

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:	SA 101E 150TH	**Lab Number:**	L2364575
Project Number:	41.0163097.00	**Report Date:**	11/15/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193
Mansfield, MA 02048 — 320 Forbes Blvd — TEL: 508-822-9300 — FAX: 508-822-3288

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

Page: 1 of 1

Date Rec'd in Lab: 11/1/23

ALPHA Job #: L2364575

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email:

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081 / 8082	1,4-Dioxane				Sample Specific Comments	Total Bottle
L2364575-01	EP-22A (8' bgs)	10/31/23	14:45	S	JN	X	X	X	X	X					
-02	FB 2023-10	↓	14:00	W	↓	↓	↓	↓	↓	↓					
-03	TB 2023-10	↓	-	W	↓	↓	↓	↓	↓	↓					

Container Type: V G G G G
Preservative: A A

Preservative Code: A = None; B = HCl; C = HNO_3; D = H_2SO_4; E = NaOH; F = MeOH; G = $NaHSO_4$; H = $Na_2S_2O_3$; I = Zn Ac/NaOH; J = 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
Jazlyn Natalie (GZA)	10/31/23 15:00	AJC	10/31/23 1500
AJC	10-31-23 1740		10/31/23 18:40
	10/31/23	AJC	10/31 22:00
AJC	11/1 0100		11/01/23 00:00

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 & CONSTITUTIONS. (See reverse side.)

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

ANALYTICAL REPORT

Lab Number:	L2365609
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101E 150TH
Project Number:	41.0163097.00
Report Date:	11/09/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2365609-01	EP-10 (5.5'-BGS)	SOIL	BRONX, NY	11/03/23 11:30	11/03/23
L2365609-02	EP-18 (5.5'-BGS)	SOIL	BRONX, NY	11/03/23 11:45	11/03/23
L2365609-03	EP-09A (6'-BGS)	SOIL	BRONX, NY	11/03/23 13:15	11/03/23
L2365609-04	EP-15A (6'-BGS)	SOIL	BRONX, NY	11/03/23 13:45	11/03/23
L2365609-05	EP-17A (6'-BGS)	SOIL	BRONX, NY	11/03/23 13:30	11/03/23
L2365609-06	FB-2023-11-03	WATER	BRONX, NY	11/03/23 14:00	11/03/23
L2365609-07	TB-2023-11-03	WATER	BRONX, NY	11/03/23 00:00	11/03/23

Project Name:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

Case Narrative (continued)

Report Submission

November 09, 2023: This final report includes the results of all requested analyses.

November 08, 2023: 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.

Total Metals

L2365609-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1849605-1 Method Blank, associated with L2365609-06, has a concentration above the reporting limit for mercury. Since the associated sample concentration is non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1849605-2 LCS recovery, associated with L2365609-06, is above the acceptance criteria for mercury (126%); however, the associated sample is non-detect to the RL for this target analyte. The results of the original analysis are reported.

The WG1849622-3 MS recoveries for aluminum (451%) and iron (300%), performed on L2365609-01, do not apply because the sample concentration is greater than four times the spike amount added.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 11/09/23

ORGANICS

VOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:39
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	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	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	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	0.22	J	ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	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	3.7	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	0.93	0.51	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: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01 Date Collected: 11/03/23 11:30

Client ID: EP-10 (5.5'-BGS) Date Received: 11/03/23

Sample Location: 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	0.32	J	ug/kg	0.47	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	0.86	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	0.47	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	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:30
Date Received: 11/03/23
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	75	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	4.7	1.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/08/23 10:05
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	200		ug/kg	62	9.0	1
Chloroform	ND		ug/kg	93	8.7	1
Carbon tetrachloride	ND		ug/kg	62	14.	1
1,2-Dichloropropane	ND		ug/kg	62	7.8	1
Dibromochloromethane	ND		ug/kg	62	8.7	1
1,1,2-Trichloroethane	ND		ug/kg	62	17.	1
Tetrachloroethene	25	J	ug/kg	31	12.	1
Chlorobenzene	ND		ug/kg	31	7.9	1
Trichlorofluoromethane	ND		ug/kg	250	43.	1
1,2-Dichloroethane	ND		ug/kg	62	16.	1
1,1,1-Trichloroethane	590		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.8	1
trans-1,3-Dichloropropene	ND		ug/kg	62	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.8	1
1,3-Dichloropropene, Total	ND		ug/kg	31	9.8	1
1,1-Dichloropropene	ND		ug/kg	31	9.9	1
Bromoform	ND		ug/kg	250	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	ND		ug/kg	31	10.	1
Toluene	ND		ug/kg	62	34.	1
Ethylbenzene	ND		ug/kg	62	8.8	1
Chloromethane	ND		ug/kg	250	58.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	62	21.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	62	15.	1
trans-1,2-Dichloroethene	14	J	ug/kg	93	8.5	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02 Date Collected: 11/03/23 11:45

Client ID: EP-18 (5.5'-BGS) Date Received: 11/03/23

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	4400		ug/kg	31	8.5	1
1,2-Dichlorobenzene	ND		ug/kg	120	9.0	1
1,3-Dichlorobenzene	ND		ug/kg	120	9.2	1
1,4-Dichlorobenzene	ND		ug/kg	120	11.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	35.	1
o-Xylene	ND		ug/kg	62	18.	1
Xylenes, Total	ND		ug/kg	62	18.	1
cis-1,2-Dichloroethene	1200		ug/kg	62	11.	1
1,2-Dichloroethene, Total	1200	J	ug/kg	62	8.5	1
Dibromomethane	ND		ug/kg	120	15.	1
Styrene	ND		ug/kg	62	12.	1
Dichlorodifluoromethane	ND		ug/kg	620	57.	1
Acetone	ND		ug/kg	620	300	1
Carbon disulfide	ND		ug/kg	620	280	1
2-Butanone	ND		ug/kg	620	140	1
Vinyl acetate	ND		ug/kg	620	130	1
4-Methyl-2-pentanone	ND		ug/kg	620	80.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.9	1
2-Hexanone	ND		ug/kg	620	73.	1
Bromochloromethane	ND		ug/kg	120	13.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	62	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	31	8.2	1
Bromobenzene	ND		ug/kg	120	9.0	1
n-Butylbenzene	ND		ug/kg	62	10.	1
sec-Butylbenzene	ND		ug/kg	62	9.1	1
tert-Butylbenzene	ND		ug/kg	120	7.3	1
o-Chlorotoluene	ND		ug/kg	120	12.	1
p-Chlorotoluene	ND		ug/kg	120	6.7	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	190	62.	1
Hexachlorobutadiene	ND		ug/kg	250	10.	1
Isopropylbenzene	ND		ug/kg	62	6.8	1
p-Isopropyltoluene	ND		ug/kg	62	6.8	1
Naphthalene	ND		ug/kg	250	40.	1
Acrylonitrile	ND		ug/kg	250	72.	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	62	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	17.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	21.	1
1,4-Dioxane	ND		ug/kg	5000	2200	1
p-Diethylbenzene	ND		ug/kg	120	11.	1
p-Ethyltoluene	ND		ug/kg	120	24.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	12.	1
Ethyl ether	ND		ug/kg	120	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	88.	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	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	90		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:15
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/08/23 10:32
Analyst: AJK
Percent Solids: 93%

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	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	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	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	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	0.22	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	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	ND		ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03 Date Collected: 11/03/23 13:15

Client ID: EP-09A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	1.8	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	0.49	1
o-Xylene	ND		ug/kg	0.88	0.26	1
Xylenes, Total	ND		ug/kg	0.88	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	1.9	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	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	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	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	2.6	0.88	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	ND		ug/kg	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	ND		ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:15
Date Received: 11/03/23
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	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	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	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	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	0.30	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	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/08/23 13:21
Analyst: AJK
Percent Solids: 85%

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: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04 Date Collected: 11/03/23 13:45

Client ID: EP-15A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	0.99		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	0.49	J	ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	0.49	J	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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:45
Date Received: 11/03/23
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

No Tentatively Identified Compounds	ND	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/08/23 11:25
Analyst: AJK
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.58	0.22	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.62	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.38	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05 Date Collected: 11/03/23 13:30

Client ID: EP-17A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.2	0.33	1
Xylenes, Total	ND		ug/kg	1.2	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.2	0.22	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	ND		ug/kg	12	5.5	1
Carbon disulfide	ND		ug/kg	12	5.2	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.19	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.12	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:30
Date Received: 11/03/23
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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**131**	Q	70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:15
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 14:00
Date Received: 11/03/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-07
Client ID: TB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 00:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:40
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-07
Client ID: TB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 00:00
Date Received: 11/03/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-07
Client ID: TB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 00:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1849831-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1849831-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1849831-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 08:50
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 06-07 Batch: WG1849831-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1849897-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1849897-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1849897-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.

Tentatively Identified Compounds

Total TIC Compounds	114	J	ug/kg
Unknown	114	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1849897-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1849899-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1849899-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1849899-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	2.29	J	ug/kg
Unknown	2.29	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 09:13
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1849899-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	91		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1849926-5					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1849926-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1849926-5					
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: SA 101E 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/08/23 12:56
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04 Batch: WG1849926-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1849831-3 WG1849831-4								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	96		100		70-130	4		20
Carbon tetrachloride	84		86		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	86		87		63-130	1		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		94		70-130	6		20
Chlorobenzene	100		99		75-130	1		20
Trichlorofluoromethane	76		75		62-150	1		20
1,2-Dichloroethane	98		100		70-130	2		20
1,1,1-Trichloroethane	92		93		67-130	1		20
Bromodichloromethane	89		90		67-130	1		20
trans-1,3-Dichloropropene	97		98		70-130	1		20
cis-1,3-Dichloropropene	88		86		70-130	2		20
1,1-Dichloropropene	96		92		70-130	4		20
Bromoform	80		84		54-136	5		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	96		93		70-130	3		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	45		44		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1849831-3 WG1849831-4								
Vinyl chloride	87		85		55-140	2		20
Chloroethane	76		75		55-138	1		20
1,1-Dichloroethene	91		87		61-145	4		20
trans-1,2-Dichloroethene	96		96		70-130	0		20
Trichloroethene	91		90		70-130	1		20
1,2-Dichlorobenzene	99		98		70-130	1		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	82		82		63-130	0		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	94		95		70-130	1		20
Dibromomethane	83		84		70-130	1		20
1,2,3-Trichloropropane	97		100		64-130	3		20
Acrylonitrile	97		110		70-130	13		20
Styrene	100		95		70-130	5		20
Dichlorodifluoromethane	74		71		36-147	4		20
Acetone	91		98		58-148	7		20
Carbon disulfide	99		94		51-130	5		20
2-Butanone	97		110		63-138	13		20
Vinyl acetate	110		120		70-130	9		20
4-Methyl-2-pentanone	89		92		59-130	3		20
2-Hexanone	98		100		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1849831-3 WG1849831-4								
Bromochloromethane	85		84		70-130	1		20
2,2-Dichloropropane	97		99		63-133	2		20
1,2-Dibromoethane	93		90		70-130	3		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	95		94		64-130	1		20
Bromobenzene	98		95		70-130	3		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		100		70-130	10		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	110		110		70-130	0		20
1,2-Dibromo-3-chloropropane	76		80		41-144	5		20
Hexachlorobutadiene	100		110		63-130	10		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	77		82		70-130	6		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	86		86		70-130	0		20
1,2,4-Trichlorobenzene	92		93		70-130	1		20
1,3,5-Trimethylbenzene	110		100		64-130	10		20
1,2,4-Trimethylbenzene	110		100		70-130	10		20
1,4-Dioxane	72		76		56-162	5		20
p-Diethylbenzene	100		98		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 06-07 Batch: WG1849831-3 WG1849831-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	95		95		70-130	0		20
Ethyl ether	69		68		59-134	1		20
trans-1,4-Dichloro-2-butene	110		110		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	105		104		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	92		93		70-130

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1849897-3 WG1849897-4								
Methylene chloride	83		82		70-130	1		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	86		86		70-130	0		30
Carbon tetrachloride	87		85		70-130	2		30
1,2-Dichloropropane	87		87		70-130	0		30
Dibromochloromethane	95		97		70-130	2		30
1,1,2-Trichloroethane	102		105		70-130	3		30
Tetrachloroethene	110		109		70-130	1		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	87		85		70-139	2		30
1,2-Dichloroethane	86		86		70-130	0		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	88		89		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	84		86		70-130	2		30
1,1-Dichloropropene	94		93		70-130	1		30
Bromoform	103		108		70-130	5		30
1,1,2,2-Tetrachloroethane	103		107		70-130	4		30
Benzene	88		88		70-130	0		30
Toluene	96		96		70-130	0		30
Ethylbenzene	99		99		70-130	0		30
Chloromethane	85		85		52-130	0		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1849897-3 WG1849897-4								
Vinyl chloride	92		90		67-130	2		30
Chloroethane	96		96		50-151	0		30
1,1-Dichloroethene	85		83		65-135	2		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	91		91		70-130	0		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	106		107		70-130	1		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	84		86		66-130	2		30
p/m-Xylene	102		102		70-130	0		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	87		86		70-130	1		30
Dibromomethane	88		90		70-130	2		30
Styrene	94		94		70-130	0		30
Dichlorodifluoromethane	90		87		30-146	3		30
Acetone	78		84		54-140	7		30
Carbon disulfide	76		74		59-130	3		30
2-Butanone	84		90		70-130	7		30
Vinyl acetate	83		85		70-130	2		30
4-Methyl-2-pentanone	89		92		70-130	3		30
1,2,3-Trichloropropane	103		105		68-130	2		30
2-Hexanone	88		95		70-130	8		30
Bromochloromethane	91		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

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Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1849897-3 WG1849897-4								
2,2-Dichloropropane	94		91		70-130	3		30
1,2-Dibromoethane	92		94		70-130	2		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	106		107		70-130	1		30
Bromobenzene	108		108		70-130	0		30
n-Butylbenzene	109		109		70-130	0		30
sec-Butylbenzene	106		106		70-130	0		30
tert-Butylbenzene	108		108		70-130	0		30
o-Chlorotoluene	105		105		70-130	0		30
p-Chlorotoluene	107		107		70-130	0		30
1,2-Dibromo-3-chloropropane	94		101		68-130	7		30
Hexachlorobutadiene	110		109		67-130	1		30
Isopropylbenzene	109		108		70-130	1		30
p-Isopropyltoluene	111		109		70-130	2		30
Naphthalene	108		111		70-130	3		30
Acrylonitrile	82		88		70-130	7		30
n-Propylbenzene	107		106		70-130	1		30
1,2,3-Trichlorobenzene	112		114		70-130	2		30
1,2,4-Trichlorobenzene	116		117		70-130	1		30
1,3,5-Trimethylbenzene	107		107		70-130	0		30
1,2,4-Trimethylbenzene	109		109		70-130	0		30
1,4-Dioxane	84		89		65-136	6		30
p-Diethylbenzene	106		106		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

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Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1849897-3 WG1849897-4								
p-Ethyltoluene	107		106		70-130	1		30
1,2,4,5-Tetramethylbenzene	108		108		70-130	0		30
Ethyl ether	86		88		67-130	2		30
trans-1,4-Dichloro-2-butene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	91		89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

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Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1849899-3 WG1849899-4								
Methylene chloride	83		82		70-130	1		30
1,1-Dichloroethane	85		84		70-130	1		30
Chloroform	86		86		70-130	0		30
Carbon tetrachloride	87		85		70-130	2		30
1,2-Dichloropropane	87		87		70-130	0		30
Dibromochloromethane	95		97		70-130	2		30
1,1,2-Trichloroethane	102		105		70-130	3		30
Tetrachloroethene	110		109		70-130	1		30
Chlorobenzene	102		101		70-130	1		30
Trichlorofluoromethane	87		85		70-139	2		30
1,2-Dichloroethane	86		86		70-130	0		30
1,1,1-Trichloroethane	89		88		70-130	1		30
Bromodichloromethane	88		89		70-130	1		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	84		86		70-130	2		30
1,1-Dichloropropene	94		93		70-130	1		30
Bromoform	103		108		70-130	5		30
1,1,2,2-Tetrachloroethane	103		107		70-130	4		30
Benzene	88		88		70-130	0		30
Toluene	96		96		70-130	0		30
Ethylbenzene	99		99		70-130	0		30
Chloromethane	85		85		52-130	0		30
Bromomethane	91		89		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
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Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1849899-3 WG1849899-4								
Vinyl chloride	92		90		67-130	2		30
Chloroethane	96		96		50-151	0		30
1,1-Dichloroethene	85		83		65-135	2		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	91		91		70-130	0		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	106		107		70-130	1		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	84		86		66-130	2		30
p/m-Xylene	102		102		70-130	0		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	87		86		70-130	1		30
Dibromomethane	88		90		70-130	2		30
Styrene	94		94		70-130	0		30
Dichlorodifluoromethane	90		87		30-146	3		30
Acetone	78		84		54-140	7		30
Carbon disulfide	76		74		59-130	3		30
2-Butanone	84		90		70-130	7		30
Vinyl acetate	83		85		70-130	2		30
4-Methyl-2-pentanone	89		92		70-130	3		30
1,2,3-Trichloropropane	103		105		68-130	2		30
2-Hexanone	88		95		70-130	8		30
Bromochloromethane	91		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1849899-3 WG1849899-4								
2,2-Dichloropropane	94		91		70-130	3		30
1,2-Dibromoethane	92		94		70-130	2		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	106		107		70-130	1		30
Bromobenzene	108		108		70-130	0		30
n-Butylbenzene	109		109		70-130	0		30
sec-Butylbenzene	106		106		70-130	0		30
tert-Butylbenzene	108		108		70-130	0		30
o-Chlorotoluene	105		105		70-130	0		30
p-Chlorotoluene	107		107		70-130	0		30
1,2-Dibromo-3-chloropropane	94		101		68-130	7		30
Hexachlorobutadiene	110		109		67-130	1		30
Isopropylbenzene	109		108		70-130	1		30
p-Isopropyltoluene	111		109		70-130	2		30
Naphthalene	108		111		70-130	3		30
Acrylonitrile	82		88		70-130	7		30
n-Propylbenzene	107		106		70-130	1		30
1,2,3-Trichlorobenzene	112		114		70-130	2		30
1,2,4-Trichlorobenzene	116		117		70-130	1		30
1,3,5-Trimethylbenzene	107		107		70-130	0		30
1,2,4-Trimethylbenzene	109		109		70-130	0		30
1,4-Dioxane	84		89		65-136	6		30
p-Diethylbenzene	106		106		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1849899-3 WG1849899-4								
p-Ethyltoluene	107		106		70-130	1		30
1,2,4,5-Tetramethylbenzene	108		108		70-130	0		30
Ethyl ether	86		88		67-130	2		30
trans-1,4-Dichloro-2-butene	97		100		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	106		106		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	91		89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1849926-3 WG1849926-4								
Methylene chloride	87		86		70-130	1		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	89		89		70-130	0		30
Carbon tetrachloride	90		89		70-130	1		30
1,2-Dichloropropane	92		93		70-130	1		30
Dibromochloromethane	87		88		70-130	1		30
1,1,2-Trichloroethane	95		94		70-130	1		30
Tetrachloroethene	88		86		70-130	2		30
Chlorobenzene	92		92		70-130	0		30
Trichlorofluoromethane	94		89		70-139	5		30
1,2-Dichloroethane	93		93		70-130	0		30
1,1,1-Trichloroethane	94		92		70-130	2		30
Bromodichloromethane	95		97		70-130	2		30
trans-1,3-Dichloropropene	100		98		70-130	2		30
cis-1,3-Dichloropropene	88		90		70-130	2		30
1,1-Dichloropropene	89		88		70-130	1		30
Bromoform	92		90		70-130	2		30
1,1,2,2-Tetrachloroethane	97		93		70-130	4		30
Benzene	91		91		70-130	0		30
Toluene	89		88		70-130	1		30
Ethylbenzene	89		89		70-130	0		30
Chloromethane	93		86		52-130	8		30
Bromomethane	99		91		57-147	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1849926-3 WG1849926-4								
Vinyl chloride	92		86		67-130	7		30
Chloroethane	92		88		50-151	4		30
1,1-Dichloroethene	92		88		65-135	4		30
trans-1,2-Dichloroethene	93		90		70-130	3		30
Trichloroethene	93		93		70-130	0		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	95		94		70-130	1		30
1,4-Dichlorobenzene	93		92		70-130	1		30
Methyl tert butyl ether	98		95		66-130	3		30
p/m-Xylene	94		94		70-130	0		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	90		90		70-130	0		30
Dibromomethane	95		94		70-130	1		30
Styrene	94		96		70-130	2		30
Dichlorodifluoromethane	91		85		30-146	7		30
Acetone	96		90		54-140	6		30
Carbon disulfide	87		84		59-130	4		30
2-Butanone	89		94		70-130	5		30
Vinyl acetate	95		87		70-130	9		30
4-Methyl-2-pentanone	97		90		70-130	7		30
1,2,3-Trichloropropane	94		91		68-130	3		30
2-Hexanone	92		86		70-130	7		30
Bromochloromethane	95		95		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1849926-3 WG1849926-4								
2,2-Dichloropropane	92		89		70-130	3		30
1,2-Dibromoethane	92		89		70-130	3		30
1,3-Dichloropropane	96		95		69-130	1		30
1,1,1,2-Tetrachloroethane	94		96		70-130	2		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	93		92		70-130	1		30
sec-Butylbenzene	91		89		70-130	2		30
tert-Butylbenzene	91		90		70-130	1		30
o-Chlorotoluene	91		90		70-130	1		30
p-Chlorotoluene	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	85		81		68-130	5		30
Hexachlorobutadiene	93		92		67-130	1		30
Isopropylbenzene	92		90		70-130	2		30
p-Isopropyltoluene	94		92		70-130	2		30
Naphthalene	97		95		70-130	2		30
Acrylonitrile	94		88		70-130	7		30
n-Propylbenzene	92		90		70-130	2		30
1,2,3-Trichlorobenzene	97		97		70-130	0		30
1,2,4-Trichlorobenzene	102		101		70-130	1		30
1,3,5-Trimethylbenzene	91		89		70-130	2		30
1,2,4-Trimethylbenzene	91		90		70-130	1		30
1,4-Dioxane	101		95		65-136	6		30
p-Diethylbenzene	95		94		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04 Batch: WG1849926-3 WG1849926-4								
p-Ethyltoluene	92		90		70-130	2		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	99		95		67-130	4		30
trans-1,4-Dichloro-2-butene	94		97		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	103		100		70-130
Dibromofluoromethane	102		101		70-130

SEMIVOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 16:08
Analyst: LJG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 02:02

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	86	J	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: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01 Date Collected: 11/03/23 11:30

Client ID: EP-10 (5.5'-BGS) Date Received: 11/03/23

Sample Location: 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	48	J	ug/kg	110	20.	1
Benzo(a)pyrene	51	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	54	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	45	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	18.	1
Phenanthrene	67	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	32	J	ug/kg	140	25.	1
Pyrene	90	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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:30
Date Received: 11/03/23
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	97		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	80		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 16:31
Analyst: LJG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 02:02

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	390		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	61.	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02 Date Collected: 11/03/23 11:45

Client ID: EP-18 (5.5'-BGS) Date Received: 11/03/23

Sample Location: 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	270		ug/kg	140	44.	1
Benzo(b)fluoranthene	280		ug/kg	110	30.	1
Benzo(k)fluoranthene	100	J	ug/kg	110	29.	1
Chrysene	280		ug/kg	110	19.	1
Acenaphthylene	30	J	ug/kg	140	28.	1
Anthracene	59	J	ug/kg	110	35.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	220		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	33	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	25.	1
Pyrene	420		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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:45
Date Received: 11/03/23
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	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	20	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	198	J	ug/kg			1
Unknown PAH	198	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:15
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 16:55
Analyst: LJG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 02:02

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	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	31.	1
1,3-Dichlorobenzene	ND		ug/kg	180	30.	1
1,4-Dichlorobenzene	ND		ug/kg	180	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	46.	1
2,4-Dinitrotoluene	ND		ug/kg	180	35.	1
2,6-Dinitrotoluene	ND		ug/kg	180	30.	1
Fluoranthene	42	J	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	ND		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	60.	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: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03 Date Collected: 11/03/23 13:15

Client ID: EP-09A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	26	J	ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	29	J	ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	22	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	180	17.	1
Phenanthrene	23	J	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	43	J	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	72.	1
Dibenzofuran	ND		ug/kg	180	16.	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	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	240	71.	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	38.	1
Phenol	ND		ug/kg	180	26.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:15
Date Received: 11/03/23
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	ND		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	76		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 17:18
Analyst: LJG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 02:02

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	150		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	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04 Date Collected: 11/03/23 13:45

Client ID: EP-15A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	84	J	ug/kg	110	22.	1
Benzo(a)pyrene	100	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	120		ug/kg	110	32.	1
Benzo(k)fluoranthene	37	J	ug/kg	110	31.	1
Chrysene	82	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	60	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	97	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	62	J	ug/kg	150	27.	1
Pyrene	150		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	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:45
Date Received: 11/03/23
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	19.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	88		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	99		10-136
4-Terphenyl-d14	79		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/07/23 17:41
Analyst: LJG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 02:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05 Date Collected: 11/03/23 13:30

Client ID: EP-17A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	30	9.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	94		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	83		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/08/23 10:35
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 20:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 14:00
Date Received: 11/03/23
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/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 14:00
Date Received: 11/03/23
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/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Tentatively Identified Compounds						
Total TIC Compounds	29.2	J	ug/l			1
Unknown Alcohol	4.84	J	ug/l			1
Unknown Organic Acid	5.78	J	ug/l			1
Unknown Amide	4.40	J	ug/l			1
Unknown Organic Acid	5.13	J	ug/l			1
Unknown Amide	5.13	J	ug/l			1
Unknown	3.96	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	81		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/09/23 08:08
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/08/23 10:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 22:28
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/06/23 01:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1848578-1					
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	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	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	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 22:28
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/06/23 01:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1848578-1					
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	27.
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	31.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	67.
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	61.

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/06/23 22:28
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 11/06/23 01:53

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1848578-1					
4-Nitrophenol	ND		ug/kg	230	66.
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	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	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	108		25-120
Phenol-d6	111		10-120
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	98		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/08/23 07:56
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 20:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1849509-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/08/23 07:56
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 20:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1849509-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/08/23 07:56
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 20:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1849509-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	114	J	ug/l
Unknown	12.9	J	ug/l
Unknown Amide	3.31	J	ug/l
Unknown Organic Acid	6.65	J	ug/l
Unknown Organic Acid	8.25	J	ug/l
Unknown	2.69	J	ug/l
Unknown	7.53	J	ug/l
Unknown	2.80	J	ug/l
Unknown	7.02	J	ug/l
Unknown	1.53	J	ug/l
Unknown	1.85	J	ug/l

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/08/23 07:56
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 20:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 06 Batch: WG1849509-1					
Tentatively Identified Compounds					
Unknown	2.65	J	ug/l		
Unknown	4.76	J	ug/l		
Unknown	8.76	J	ug/l		
Unknown	7.78	J	ug/l		
Unknown	11.7	J	ug/l		
Unknown Organic Acid	3.42	J	ug/l		
Unknown Siloxane	2.00	J	ug/l		
Unknown	4.69	J	ug/l		
Unknown	5.45	J	ug/l		
Unknown	8.33	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	87		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/09/23 06:54
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/08/23 09:57

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 06 Batch: WG1849737-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1848578-2 WG1848578-3								
Acenaphthene	82		81		31-137	1		50
1,2,4-Trichlorobenzene	74		72		38-107	3		50
Hexachlorobenzene	76		77		40-140	1		50
Bis(2-chloroethyl)ether	81		77		40-140	5		50
2-Chloronaphthalene	84		82		40-140	2		50
1,2-Dichlorobenzene	74		70		40-140	6		50
1,3-Dichlorobenzene	70		67		40-140	4		50
1,4-Dichlorobenzene	71		68		28-104	4		50
3,3'-Dichlorobenzidine	72		78		40-140	8		50
2,4-Dinitrotoluene	90		90		40-132	0		50
2,6-Dinitrotoluene	95		93		40-140	2		50
Fluoranthene	90		91		40-140	1		50
4-Chlorophenyl phenyl ether	80		81		40-140	1		50
4-Bromophenyl phenyl ether	79		78		40-140	1		50
Bis(2-chloroisopropyl)ether	102		98		40-140	4		50
Bis(2-chloroethoxy)methane	88		83		40-117	6		50
Hexachlorobutadiene	71		70		40-140	1		50
Hexachlorocyclopentadiene	67		65		40-140	3		50
Hexachloroethane	75		72		40-140	4		50
Isophorone	86		84		40-140	2		50
Naphthalene	80		77		40-140	4		50
Nitrobenzene	87		84		40-140	4		50
NDPA/DPA	86		87		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1848578-2 WG1848578-3								
n-Nitrosodi-n-propylamine	91		87		32-121	4		50
Bis(2-ethylhexyl)phthalate	105		103		40-140	2		50
Butyl benzyl phthalate	100		103		40-140	3		50
Di-n-butylphthalate	96		96		40-140	0		50
Di-n-octylphthalate	110		110		40-140	0		50
Diethyl phthalate	88		89		40-140	1		50
Dimethyl phthalate	90		88		40-140	2		50
Benzo(a)anthracene	89		90		40-140	1		50
Benzo(a)pyrene	91		92		40-140	1		50
Benzo(b)fluoranthene	87		88		40-140	1		50
Benzo(k)fluoranthene	90		90		40-140	0		50
Chrysene	92		93		40-140	1		50
Acenaphthylene	83		83		40-140	0		50
Anthracene	89		90		40-140	1		50
Benzo(ghi)perylene	90		89		40-140	1		50
Fluorene	84		84		40-140	0		50
Phenanthrene	87		88		40-140	1		50
Dibenzo(a,h)anthracene	93		91		40-140	2		50
Indeno(1,2,3-cd)pyrene	101		100		40-140	1		50
Pyrene	90		90		35-142	0		50
Biphenyl	83		81		37-127	2		50
4-Chloroaniline	94		93		40-140	1		50
2-Nitroaniline	99		95		47-134	4		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1848578-2 WG1848578-3								
3-Nitroaniline	72		79		26-129	9		50
4-Nitroaniline	91		92		41-125	1		50
Dibenzofuran	83		83		40-140	0		50
2-Methylnaphthalene	84		81		40-140	4		50
1,2,4,5-Tetrachlorobenzene	78		74		40-117	5		50
Acetophenone	80		77		14-144	4		50
2,4,6-Trichlorophenol	90		87		30-130	3		50
p-Chloro-m-cresol	95		95		26-103	0		50
2-Chlorophenol	86		82		25-102	5		50
2,4-Dichlorophenol	92		88		30-130	4		50
2,4-Dimethylphenol	74		72		30-130	3		50
2-Nitrophenol	88		83		30-130	6		50
4-Nitrophenol	110		109		11-114	1		50
2,4-Dinitrophenol	63		75		4-130	17		50
4,6-Dinitro-o-cresol	99		100		10-130	1		50
Pentachlorophenol	87		91		17-109	4		50
Phenol	90		86		26-90	5		50
2-Methylphenol	89		83		30-130.	7		50
3-Methylphenol/4-Methylphenol	92		92		30-130	0		50
2,4,5-Trichlorophenol	94		93		30-130	1		50
Benzoic Acid	12		12		10-110	0		50
Benzyl Alcohol	88		86		40-140	2		50
Carbazole	92		94		54-128	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1848578-2 WG1848578-3								
1,4-Dioxane	52		49		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		82		25-120
Phenol-d6	94		87		10-120
Nitrobenzene-d5	86		81		23-120
2-Fluorobiphenyl	83		80		30-120
2,4,6-Tribromophenol	89		87		10-136
4-Terphenyl-d14	86		85		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1849509-2 WG1849509-3								
Acenaphthene	72		63		37-111	13		30
1,2,4-Trichlorobenzene	69		64		39-98	8		30
Hexachlorobenzene	70		62		40-140	12		30
Bis(2-chloroethyl)ether	73		67		40-140	9		30
2-Chloronaphthalene	73		66		40-140	10		30
1,2-Dichlorobenzene	69		63		40-140	9		30
1,3-Dichlorobenzene	69		59		40-140	16		30
1,4-Dichlorobenzene	70		62		36-97	12		30
3,3'-Dichlorobenzidine	63		49		40-140	25		30
2,4-Dinitrotoluene	74		64		48-143	14		30
2,6-Dinitrotoluene	72		65		40-140	10		30
Fluoranthene	74		65		40-140	13		30
4-Chlorophenyl phenyl ether	74		62		40-140	18		30
4-Bromophenyl phenyl ether	71		62		40-140	14		30
Bis(2-chloroisopropyl)ether	69		62		40-140	11		30
Bis(2-chloroethoxy)methane	71		65		40-140	9		30
Hexachlorobutadiene	68		59		40-140	14		30
Hexachlorocyclopentadiene	65		54		40-140	18		30
Hexachloroethane	67		59		40-140	13		30
Isophorone	72		66		40-140	9		30
Naphthalene	74		65		40-140	13		30
Nitrobenzene	73		65		40-140	12		30
NDPA/DPA	75		65		40-140	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1849509-2 WG1849509-3								
n-Nitrosodi-n-propylamine	74		66		29-132	11		30
Bis(2-ethylhexyl)phthalate	78		64		40-140	20		30
Butyl benzyl phthalate	77		66		40-140	15		30
Di-n-butylphthalate	73		61		40-140	18		30
Di-n-octylphthalate	78		64		40-140	20		30
Diethyl phthalate	76		66		40-140	14		30
Dimethyl phthalate	73		64		40-140	13		30
Benzo(a)anthracene	78		67		40-140	15		30
Benzo(a)pyrene	84		72		40-140	15		30
Benzo(b)fluoranthene	86		72		40-140	18		30
Benzo(k)fluoranthene	71		62		40-140	14		30
Chrysene	74		66		40-140	11		30
Acenaphthylene	74		67		45-123	10		30
Anthracene	76		66		40-140	14		30
Benzo(ghi)perylene	79		70		40-140	12		30
Fluorene	76		66		40-140	14		30
Phenanthrene	73		63		40-140	15		30
Dibenzo(a,h)anthracene	78		69		40-140	12		30
Indeno(1,2,3-cd)pyrene	79		69		40-140	14		30
Pyrene	74		63		26-127	16		30
Biphenyl	78		69		40-140	12		30
4-Chloroaniline	72		65		40-140	10		30
2-Nitroaniline	76		67		52-143	13		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1849509-2 WG1849509-3								
3-Nitroaniline	72		63		25-145	13		30
4-Nitroaniline	74		62		51-143	18		30
Dibenzofuran	74		66		40-140	11		30
2-Methylnaphthalene	74		65		40-140	13		30
1,2,4,5-Tetrachlorobenzene	75		67		2-134	11		30
Acetophenone	78		71		39-129	9		30
2,4,6-Trichlorophenol	79		69		30-130	14		30
p-Chloro-m-cresol	80		70		23-97	13		30
2-Chlorophenol	77		67		27-123	14		30
2,4-Dichlorophenol	76		72		30-130	5		30
2,4-Dimethylphenol	71		66		30-130	7		30
2-Nitrophenol	76		69		30-130	10		30
4-Nitrophenol	70		61		10-80	14		30
2,4-Dinitrophenol	82		69		20-130	17		30
4,6-Dinitro-o-cresol	83		72		20-164	14		30
Pentachlorophenol	79		69		9-103	14		30
Phenol	60		53		12-110	12		30
2-Methylphenol	74		67		30-130	10		30
3-Methylphenol/4-Methylphenol	80		71		30-130	12		30
2,4,5-Trichlorophenol	78		70		30-130	11		30
Benzoic Acid	76		58		10-164	27		30
Benzyl Alcohol	76		69		26-116	10		30
Carbazole	78		68		55-144	14		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 06 Batch: WG1849509-2 WG1849509-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	73		63		21-120
Phenol-d6	61		55		10-120
Nitrobenzene-d5	77		72		23-120
2-Fluorobiphenyl	75		69		15-120
2,4,6-Tribromophenol	77		71		10-120
4-Terphenyl-d14	75		66		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 06 Batch: WG1849737-2 WG1849737-3								
1,4-Dioxane	115		117		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		46		15-110

PCBS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 16:37
Analyst: AD
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 05:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

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	8.18	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	6.93	1	A
Aroclor 1268	ND		ug/kg	54.6	5.65	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	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 16:45
Analyst: AD
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 05:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

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	8.05	1	A
Aroclor 1254	ND		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	ND		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	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:15
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 16:52
Analyst: AD
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 05:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.4	4.56	1	A
Aroclor 1221	ND		ug/kg	51.4	5.15	1	A
Aroclor 1232	ND		ug/kg	51.4	10.9	1	A
Aroclor 1242	ND		ug/kg	51.4	6.92	1	A
Aroclor 1248	ND		ug/kg	51.4	7.71	1	A
Aroclor 1254	ND		ug/kg	51.4	5.62	1	A
Aroclor 1260	ND		ug/kg	51.4	9.49	1	A
Aroclor 1262	ND		ug/kg	51.4	6.52	1	A
Aroclor 1268	ND		ug/kg	51.4	5.32	1	A
PCBs, Total	ND		ug/kg	51.4	4.56	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 17:00
Analyst: AD
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 05:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

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	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	ND		ug/kg	54.5	8.18	1	A
Aroclor 1254	ND		ug/kg	54.5	5.96	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.92	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	ND		ug/kg	54.5	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/07/23 17:08
Analyst: AD
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 05:05
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.7	5.21	1	A
Aroclor 1221	ND		ug/kg	58.7	5.88	1	A
Aroclor 1232	ND		ug/kg	58.7	12.4	1	A
Aroclor 1242	ND		ug/kg	58.7	7.91	1	A
Aroclor 1248	ND		ug/kg	58.7	8.80	1	A
Aroclor 1254	ND		ug/kg	58.7	6.42	1	A
Aroclor 1260	ND		ug/kg	58.7	10.8	1	A
Aroclor 1262	ND		ug/kg	58.7	7.45	1	A
Aroclor 1268	ND		ug/kg	58.7	6.08	1	A
PCBs, Total	ND		ug/kg	58.7	5.21	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/08/23 15:13
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 11/08/23 00:26
Cleanup Method: EPA 3665A
Cleanup Date: 11/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/08/23

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	84		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/07/23 14:37
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 11/06/23 03:36
Cleanup Method: EPA 3665A
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1848589-1						
Aroclor 1016	ND		ug/kg	47.0	4.18	A
Aroclor 1221	ND		ug/kg	47.0	4.71	A
Aroclor 1232	ND		ug/kg	47.0	9.97	A
Aroclor 1242	ND		ug/kg	47.0	6.34	A
Aroclor 1248	ND		ug/kg	47.0	7.06	A
Aroclor 1254	ND		ug/kg	47.0	5.14	A
Aroclor 1260	ND		ug/kg	47.0	8.69	A
Aroclor 1262	ND		ug/kg	47.0	5.97	A
Aroclor 1268	ND		ug/kg	47.0	4.87	A
PCBs, Total	ND		ug/kg	47.0	4.18	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/08/23 14:48
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 11/08/23 00:26
Cleanup Method: EPA 3665A
Cleanup Date: 11/08/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/08/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 06 Batch: WG1849556-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1848589-2 WG1848589-3									
Aroclor 1016	86		83		40-140	4		50	A
Aroclor 1260	86		83		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	84		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		74		30-150	B
Decachlorobiphenyl	81		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 06 Batch: WG1849556-2 WG1849556-3									
Aroclor 1016	89		83		40-140	6		50	A
Aroclor 1260	82		80		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		82		30-150	A
Decachlorobiphenyl	91		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	B
Decachlorobiphenyl	85		87		30-150	B

PESTICIDES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 19:20
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 04:07
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.716	0.320	1	A
Alpha-BHC	ND		ug/kg	0.716	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.859	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.605	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.966	1	A
Endrin	ND		ug/kg	0.716	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.752	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.537	1	A
4,4'-DDE	ND		ug/kg	1.72	0.397	1	A
4,4'-DDD	ND		ug/kg	1.72	0.613	1	A
4,4'-DDT	ND		ug/kg	1.72	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.716	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.02	1	A
cis-Chlordane	ND		ug/kg	2.15	0.598	1	A
trans-Chlordane	ND		ug/kg	2.15	0.567	1	A
Chlordane	ND		ug/kg	14.3	5.69	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:30
Date Received: 11/03/23
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	85		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 19:35
Analyst: AKM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 04:07
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.332	1	A
Lindane	ND		ug/kg	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.741	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	1.69	1.36	1	A
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.566	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.987	1	A
Toxaphene	ND		ug/kg	31.7	8.89	1	A
cis-Chlordane	ND		ug/kg	2.12	0.590	1	A
trans-Chlordane	ND	IP	ug/kg	2.12	0.559	1	B
Chlordane	ND		ug/kg	14.1	5.61	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:45
Date Received: 11/03/23
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	93		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:15
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 19:49
Analyst: AKM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 04:08
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.850	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.957	1	A
Endrin	ND		ug/kg	0.709	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.531	1	A
4,4'-DDE	ND		ug/kg	1.70	0.393	1	A
4,4'-DDD	ND		ug/kg	1.70	0.606	1	A
4,4'-DDT	ND		ug/kg	1.70	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.12	0.592	1	A
trans-Chlordane	ND		ug/kg	2.12	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.63	1	A

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03 Date Collected: 11/03/23 13:15

Client ID: EP-09A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 20:02
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 04:08
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.350	1	A
Lindane	ND		ug/kg	0.744	0.332	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.628	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.781	1	A
Endrin ketone	ND		ug/kg	1.78	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.78	0.413	1	B
4,4'-DDD	ND		ug/kg	1.78	0.637	1	A
4,4'-DDT	ND		ug/kg	1.78	1.44	1	A
Endosulfan I	ND		ug/kg	1.78	0.422	1	A
Endosulfan II	ND		ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.37	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	A
trans-Chlordane	ND		ug/kg	2.23	0.589	1	A
Chlordane	ND		ug/kg	14.9	5.91	1	A

Project Name: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04 Date Collected: 11/03/23 13:45

Client ID: EP-15A (6'-BGS) Date Received: 11/03/23

Sample Location: 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	95		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/23 20:14
Analyst: AKM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/06/23 04:08
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.363	1	A
Lindane	ND		ug/kg	0.772	0.345	1	A
Alpha-BHC	ND		ug/kg	0.772	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.703	1	A
Heptachlor	ND		ug/kg	0.927	0.415	1	A
Aldrin	ND		ug/kg	1.85	0.652	1	A
Heptachlor epoxide	ND		ug/kg	3.48	1.04	1	A
Endrin	ND		ug/kg	0.772	0.317	1	A
Endrin aldehyde	ND		ug/kg	2.32	0.811	1	A
Endrin ketone	ND		ug/kg	1.85	0.477	1	A
Dieldrin	ND		ug/kg	1.16	0.579	1	A
4,4'-DDE	ND		ug/kg	1.85	0.428	1	A
4,4'-DDD	ND		ug/kg	1.85	0.661	1	A
4,4'-DDT	ND		ug/kg	1.85	1.49	1	A
Endosulfan I	ND		ug/kg	1.85	0.438	1	A
Endosulfan II	ND		ug/kg	1.85	0.619	1	A
Endosulfan sulfate	ND		ug/kg	0.772	0.368	1	A
Methoxychlor	ND		ug/kg	3.48	1.08	1	A
Toxaphene	ND		ug/kg	34.8	9.73	1	A
cis-Chlordane	ND		ug/kg	2.32	0.646	1	A
trans-Chlordane	ND		ug/kg	2.32	0.612	1	A
Chlordane	ND		ug/kg	15.4	6.14	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:30
Date Received: 11/03/23
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	92		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY

Date Collected: 11/03/23 14:00
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/08/23 10:05
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 04:44

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: SA 101E 150TH **Lab Number:** L2365609

Project Number: 41.0163097.00 **Report Date:** 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06 Date Collected: 11/03/23 14:00

Client ID: FB-2023-11-03 Date Received: 11/03/23

Sample Location: 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	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	41		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/07/23 16:46
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 11/05/23 19:54
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1848555-1						
Delta-BHC	ND		ug/kg	1.57	0.307	A
Lindane	ND		ug/kg	0.654	0.292	A
Alpha-BHC	ND		ug/kg	0.654	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.595	A
Heptachlor	ND		ug/kg	0.784	0.352	A
Aldrin	ND		ug/kg	1.57	0.552	A
Heptachlor epoxide	ND		ug/kg	2.94	0.882	A
Endrin	ND		ug/kg	0.654	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.686	A
Endrin ketone	ND		ug/kg	1.57	0.404	A
Dieldrin	ND		ug/kg	0.980	0.490	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.559	A
4,4'-DDT	ND		ug/kg	1.57	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.370	A
Endosulfan II	ND		ug/kg	1.57	0.524	A
Endosulfan sulfate	ND		ug/kg	0.654	0.311	A
Methoxychlor	ND		ug/kg	2.94	0.915	A
Toxaphene	ND		ug/kg	29.4	8.24	A
cis-Chlordane	ND		ug/kg	1.96	0.546	A
trans-Chlordane	ND		ug/kg	1.96	0.518	A
Chlordane	ND		ug/kg	13.1	5.20	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/07/23 16:46
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 11/05/23 19:54
Cleanup Method: EPA 3620B
Cleanup Date: 11/06/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/06/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1848555-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/08/23 09:31
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 04:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1849046-1						
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/08/23 09:31
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/07/23 04:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 06 Batch: WG1849046-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1848555-2 WG1848555-3									
Delta-BHC	91		94		30-150	3		30	A
Lindane	84		85		30-150	1		30	A
Alpha-BHC	87		90		30-150	3		30	A
Beta-BHC	95		97		30-150	2		30	A
Heptachlor	82		84		30-150	2		30	A
Aldrin	86		87		30-150	1		30	A
Heptachlor epoxide	76		78		30-150	3		30	A
Endrin	84		86		30-150	2		30	A
Endrin aldehyde	77		76		30-150	1		30	A
Endrin ketone	86		88		30-150	2		30	A
Dieldrin	92		96		30-150	4		30	A
4,4'-DDE	90		93		30-150	3		30	A
4,4'-DDD	94		96		30-150	2		30	A
4,4'-DDT	85		88		30-150	3		30	A
Endosulfan I	84		86		30-150	2		30	A
Endosulfan II	87		89		30-150	2		30	A
Endosulfan sulfate	79		81		30-150	3		30	A
Methoxychlor	80		81		30-150	1		30	A
cis-Chlordane	81		83		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1848555-2 WG1848555-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		74		30-150	B
Decachlorobiphenyl	79		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1848555-2 WG1848555-3									
trans-Chlordane	87		89		30-150	2		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	76		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		74		30-150	B
Decachlorobiphenyl	79		81		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1849046-2 WG1849046-3									
Delta-BHC	100		66		30-150	**41**	Q	20	A
Lindane	93		62		30-150	**39**	Q	20	A
Alpha-BHC	104		62		30-150	**50**	Q	20	A
Beta-BHC	94		65		30-150	**36**	Q	20	A
Heptachlor	96		62		30-150	**43**	Q	20	A
Aldrin	89		57		30-150	**44**	Q	20	A
Heptachlor epoxide	90		59		30-150	**41**	Q	20	A
Endrin	62		60		30-150	4		20	A
Endrin aldehyde	71		51		30-150	**33**	Q	20	A
Endrin ketone	138		74		30-150	**61**	Q	20	A
Dieldrin	97		64		30-150	**42**	Q	20	A
4,4'-DDE	90		58		30-150	**44**	Q	20	A
4,4'-DDD	99		64		30-150	**44**	Q	20	A
4,4'-DDT	102		72		30-150	**34**	Q	20	A
Endosulfan I	97		67		30-150	**37**	Q	20	A
Endosulfan II	92		61		30-150	**41**	Q	20	A
Endosulfan sulfate	92		59		30-150	**43**	Q	20	A
Methoxychlor	141		97		30-150	**37**	Q	20	A
cis-Chlordane	80		51		30-150	**44**	Q	20	A
trans-Chlordane	91		61		30-150	**39**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 06 Batch: WG1849046-2 WG1849046-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		65		30-150	A
Decachlorobiphenyl	99		60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		63		30-150	B
Decachlorobiphenyl	92		58		30-150	B

METALS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:30
Date Received: 11/03/23
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	5470		mg/kg	8.67	2.34	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.34	0.330	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.73		mg/kg	0.867	0.180	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Barium, Total	28.0		mg/kg	0.867	0.151	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.296	J	mg/kg	0.434	0.029	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.867	0.085	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Calcium, Total	1430		mg/kg	8.67	3.04	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Chromium, Total	11.8		mg/kg	0.867	0.083	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Cobalt, Total	4.03		mg/kg	1.73	0.144	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Copper, Total	9.62		mg/kg	0.867	0.224	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Iron, Total	9310		mg/kg	4.34	0.783	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Lead, Total	13.3		mg/kg	4.38	0.235	2	11/08/23 17:15	11/08/23 19:50	EPA 3050B	1,6010D	JTS
Magnesium, Total	2160		mg/kg	8.67	1.34	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Manganese, Total	296		mg/kg	0.867	0.138	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.082	0.053	1	11/08/23 09:33	11/08/23 10:40	EPA 7471B	1,7471B	GMG
Nickel, Total	12.7		mg/kg	2.17	0.210	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Potassium, Total	604		mg/kg	217	12.5	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.73	0.224	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.434	0.245	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Sodium, Total	120	J	mg/kg	173	2.73	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Thallium, Total	0.455	J	mg/kg	1.73	0.273	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Vanadium, Total	13.2		mg/kg	0.867	0.176	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL
Zinc, Total	26.0		mg/kg	4.34	0.254	2	11/08/23 09:24	11/08/23 12:31	EPA 3050B	1,6010D	DHL

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 11:45
Date Received: 11/03/23
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	7270		mg/kg	8.44	2.28	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.22	0.321	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Arsenic, Total	4.65		mg/kg	0.844	0.176	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Barium, Total	61.9		mg/kg	0.844	0.147	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.412	J	mg/kg	0.422	0.028	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.844	0.083	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Calcium, Total	4620		mg/kg	8.44	2.95	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Chromium, Total	13.3		mg/kg	0.844	0.081	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.10		mg/kg	1.69	0.140	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Copper, Total	10.7		mg/kg	0.844	0.218	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Iron, Total	9310		mg/kg	4.22	0.762	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Lead, Total	46.5		mg/kg	4.33	0.232	2	11/08/23 17:15	11/08/23 19:40	EPA 3050B	1,6010D	JTS
Magnesium, Total	1650		mg/kg	8.44	1.30	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Manganese, Total	457		mg/kg	0.844	0.134	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Mercury, Total	0.081		mg/kg	0.074	0.048	1	11/08/23 09:33	11/08/23 10:53	EPA 7471B	1,7471B	GMG
Nickel, Total	7.72		mg/kg	2.11	0.204	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Potassium, Total	460		mg/kg	211	12.2	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.69	0.218	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.422	0.239	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Sodium, Total	325		mg/kg	169	2.66	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Thallium, Total	0.503	J	mg/kg	1.69	0.266	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Vanadium, Total	12.5		mg/kg	0.844	0.171	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL
Zinc, Total	72.7		mg/kg	4.22	0.247	2	11/08/23 09:24	11/08/23 12:21	EPA 3050B	1,6010D	DHL

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:15
Date Received: 11/03/23
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	5950		mg/kg	8.17	2.20	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.08	0.310	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.52		mg/kg	0.817	0.170	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Barium, Total	25.2		mg/kg	0.817	0.142	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.319	J	mg/kg	0.408	0.027	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.817	0.080	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Calcium, Total	1800		mg/kg	8.17	2.86	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Chromium, Total	8.14		mg/kg	0.817	0.078	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.38		mg/kg	1.63	0.136	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Copper, Total	7.11		mg/kg	0.817	0.211	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Iron, Total	9080		mg/kg	4.08	0.738	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Lead, Total	9.07		mg/kg	4.25	0.228	2	11/08/23 17:15	11/08/23 19:43	EPA 3050B	1,6010D	JTS
Magnesium, Total	2400		mg/kg	8.17	1.26	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Manganese, Total	292		mg/kg	0.817	0.130	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.079	0.052	1	11/08/23 09:33	11/08/23 10:56	EPA 7471B	1,7471B	GMG
Nickel, Total	7.57		mg/kg	2.04	0.198	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Potassium, Total	579		mg/kg	204	11.8	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.63	0.211	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.408	0.231	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Sodium, Total	81.9	J	mg/kg	163	2.57	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Thallium, Total	ND		mg/kg	1.63	0.257	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Vanadium, Total	10.9		mg/kg	0.817	0.166	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL
Zinc, Total	19.4		mg/kg	4.08	0.239	2	11/08/23 09:24	11/08/23 12:24	EPA 3050B	1,6010D	DHL

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:45
Date Received: 11/03/23
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	6970		mg/kg	9.37	2.53	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.68	0.356	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Arsenic, Total	4.76		mg/kg	0.937	0.195	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Barium, Total	78.4		mg/kg	0.937	0.163	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.369	J	mg/kg	0.468	0.031	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.937	0.092	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Calcium, Total	3030		mg/kg	9.37	3.28	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Chromium, Total	11.7		mg/kg	0.937	0.090	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.70		mg/kg	1.87	0.156	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Copper, Total	23.1		mg/kg	0.937	0.242	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Iron, Total	9980		mg/kg	4.68	0.846	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Lead, Total	54.2		mg/kg	4.59	0.246	2	11/08/23 17:15	11/08/23 19:47	EPA 3050B	1,6010D	JTS
Magnesium, Total	1840		mg/kg	9.37	1.44	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Manganese, Total	386		mg/kg	0.937	0.149	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Mercury, Total	0.081	J	mg/kg	0.081	0.053	1	11/08/23 09:33	11/08/23 11:00	EPA 7471B	1,7471B	GMG
Nickel, Total	8.72		mg/kg	2.34	0.227	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Potassium, Total	552		mg/kg	234	13.5	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.87	0.242	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.468	0.265	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Sodium, Total	98.3	J	mg/kg	187	2.95	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Thallium, Total	0.396	J	mg/kg	1.87	0.295	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Vanadium, Total	15.5		mg/kg	0.937	0.190	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL
Zinc, Total	56.4		mg/kg	4.68	0.274	2	11/08/23 09:24	11/08/23 12:27	EPA 3050B	1,6010D	DHL

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/03/23 13:30
Date Received: 11/03/23
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	6430		mg/kg	9.42	2.54	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Antimony, Total	ND		mg/kg	4.71	0.358	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.26		mg/kg	0.942	0.196	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Barium, Total	26.5		mg/kg	0.942	0.164	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Beryllium, Total	0.340	J	mg/kg	0.471	0.031	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.942	0.092	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Calcium, Total	574		mg/kg	9.42	3.30	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Chromium, Total	8.49		mg/kg	0.942	0.090	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Cobalt, Total	3.28		mg/kg	1.88	0.156	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Copper, Total	5.83		mg/kg	0.942	0.243	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Iron, Total	9490		mg/kg	4.71	0.850	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Lead, Total	4.67		mg/kg	4.64	0.249	2	11/08/23 17:15	11/08/23 20:32	EPA 3050B	1,6010D	JTS
Magnesium, Total	1680		mg/kg	9.42	1.45	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Manganese, Total	308		mg/kg	0.942	0.150	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.078	0.051	1	11/08/23 09:33	11/08/23 11:03	EPA 7471B	1,7471B	GMG
Nickel, Total	7.96		mg/kg	2.35	0.228	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Potassium, Total	575		mg/kg	235	13.6	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Selenium, Total	ND		mg/kg	1.88	0.243	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.471	0.266	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Sodium, Total	116	J	mg/kg	188	2.97	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Thallium, Total	0.410	J	mg/kg	1.88	0.297	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Vanadium, Total	11.1		mg/kg	0.942	0.191	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL
Zinc, Total	15.3		mg/kg	4.71	0.276	2	11/08/23 09:24	11/08/23 12:55	EPA 3050B	1,6010D	DHL

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-06
Client ID: FB-2023-11-03
Sample Location: BRONX, NY
Date Collected: 11/03/23 14:00
Date Received: 11/03/23
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	ND		mg/l	0.100	0.0318	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	11/08/23 06:35	11/08/23 19:05	EPA 3005A	1,6010D	CEY
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Magnesium, Total	ND		mg/l	0.100	0.0153	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Mercury, Total	0.00010	JB	mg/l	0.00020	0.00009	1	11/08/23 07:33	11/08/23 13:05	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Potassium, Total	ND		mg/l	2.50	0.237	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Sodium, Total	ND		mg/l	2.00	0.120	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Thallium, Total	0.0028	J	mg/l	0.0200	0.0025	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/08/23 06:35	11/08/23 12:08	EPA 3005A	1,6010D	DMB

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

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): 06 Batch: WG1849604-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Antimony, Total	ND		mg/l	0.0500	0.0071	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Arsenic, Total	0.0019	J	mg/l	0.0050	0.0019	1	11/08/23 06:35	11/08/23 15:46	1,6010D	DMB
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Magnesium, Total	ND		mg/l	0.100	0.0153	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Potassium, Total	ND		mg/l	2.50	0.237	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Sodium, Total	ND		mg/l	2.00	0.120	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Thallium, Total	0.0043	J	mg/l	0.0200	0.0025	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/08/23 06:35	11/08/23 11:58	1,6010D	DMB

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): 06 Batch: WG1849605-1										
Mercury, Total	0.00028		mg/l	0.00020	0.00009	1	11/08/23 07:33	11/08/23 12:34	1,7470A	GMG

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

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): 01-05 Batch: WG1849622-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Chromium, Total	0.122	J	mg/kg	0.400	0.038	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Iron, Total	0.467	J	mg/kg	2.00	0.361	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Sodium, Total	1.46	J	mg/kg	80.0	1.26	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/08/23 09:24	11/08/23 12:10	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2365609
Report Date: 11/09/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-05 Batch: WG1849623-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/08/23 09:33	11/08/23 10:33	1,7471B	GMG

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): 01-05 Batch: WG1849940-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	11/08/23 17:15	11/08/23 19:34	1,6010D	JTS

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1849604-2								
Aluminum, Total	115		-		80-120	-		
Antimony, Total	106		-		80-120	-		
Arsenic, Total	114		-		80-120	-		
Barium, Total	111		-		80-120	-		
Beryllium, Total	111		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	101		-		80-120	-		
Copper, Total	96		-		80-120	-		
Iron, Total	110		-		80-120	-		
Lead, Total	101		-		80-120	-		
Magnesium, Total	102		-		80-120	-		
Manganese, Total	107		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	111		-		80-120	-		
Selenium, Total	111		-		80-120	-		
Silver, Total	107		-		80-120	-		
Sodium, Total	113		-		80-120	-		
Thallium, Total	102		-		80-120	-		
Vanadium, Total	105		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1849604-2						
Zinc, Total	103		-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 06 Batch: WG1849605-2						
Mercury, Total	**126**	Q	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1849622-2 SRM Lot Number: D119-540					
Aluminum, Total	77	-	48-152	-	
Antimony, Total	179	-	10-190	-	
Arsenic, Total	113	-	83-117	-	
Barium, Total	99	-	82-118	-	
Beryllium, Total	101	-	83-117	-	
Cadmium, Total	107	-	82-117	-	
Calcium, Total	100	-	81-118	-	
Chromium, Total	118	-	82-119	-	
Cobalt, Total	111	-	83-117	-	
Copper, Total	107	-	84-116	-	
Iron, Total	106	-	60-140	-	
Magnesium, Total	104	-	76-124	-	
Manganese, Total	106	-	82-118	-	
Nickel, Total	114	-	82-117	-	
Potassium, Total	94	-	70-130	-	
Selenium, Total	115	-	79-121	-	
Silver, Total	120	-	80-120	-	
Sodium, Total	104	-	74-126	-	
Thallium, Total	114	-	81-119	-	
Vanadium, Total	112	-	79-121	-	
Zinc, Total	108	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1849623-2 SRM Lot Number: D119-540					
Mercury, Total	85	-	73-127	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1849940-2 SRM Lot Number: D119-540					
Lead, Total	110	-	82-118	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

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): 06 QC Batch ID: WG1849604-3 QC Sample: L2366064-07 Client ID: MS Sample												
Aluminum, Total	ND	2	2.08	104		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.525	105		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.121	101		-	-		75-125	-		20
Barium, Total	ND	2	2.00	100		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0505	101		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0520	98		-	-		75-125	-		20
Calcium, Total	5.06	10	14.5	94		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.206	103		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.496	99		-	-		75-125	-		20
Copper, Total	ND	0.25	0.242	97		-	-		75-125	-		20
Iron, Total	ND	1	1.00	100		-	-		75-125	-		20
Lead, Total	ND	0.53	0.523	99		-	-		75-125	-		20
Magnesium, Total	1.24	10	11.0	98		-	-		75-125	-		20
Manganese, Total	ND	0.5	0.481	96		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.482	96		-	-		75-125	-		20
Potassium, Total	0.622J	10	10.7	107		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.136	113		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0523	105		-	-		75-125	-		20
Sodium, Total	303.	10	298	**0**	Q	-	-		75-125	-		20
Thallium, Total	0.0058J	0.12	0.124	103		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.509	102		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

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): 06 QC Batch ID: WG1849604-3 QC Sample: L2366064-07 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.503	101	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1849605-3 WG1849605-4 QC Sample: L2363477-03 Client ID: MS Sample									
Mercury, Total	0.00011JB	0.005	0.00490	98	0.00481	96	75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849622-3 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)										
Aluminum, Total	5470	173	6250	**451**	Q	-	-	75-125	-	20
Antimony, Total	ND	43.3	48.3	112		-	-	75-125	-	20
Arsenic, Total	1.73	10.4	13.9	117		-	-	75-125	-	20
Barium, Total	28.0	173	203	101		-	-	75-125	-	20
Beryllium, Total	0.296J	4.33	4.79	111		-	-	75-125	-	20
Cadmium, Total	ND	4.59	5.07	110		-	-	75-125	-	20
Calcium, Total	1430	865	2200	89		-	-	75-125	-	20
Chromium, Total	11.8	17.3	30.4	107		-	-	75-125	-	20
Cobalt, Total	4.03	43.3	52.2	111		-	-	75-125	-	20
Copper, Total	9.62	21.6	33.5	110		-	-	75-125	-	20
Iron, Total	9310	86.5	9570	**300**	Q	-	-	75-125	-	20
Magnesium, Total	2160	865	3220	122		-	-	75-125	-	20
Manganese, Total	296	43.3	338	97		-	-	75-125	-	20
Nickel, Total	12.7	43.3	58.2	105		-	-	75-125	-	20
Potassium, Total	604	865	1590	114		-	-	75-125	-	20
Selenium, Total	ND	10.4	12.1	116		-	-	75-125	-	20
Silver, Total	ND	4.33	4.99	115		-	-	75-125	-	20
Sodium, Total	120J	865	1040	120		-	-	75-125	-	20
Thallium, Total	0.455J	10.4	12.2	117		-	-	75-125	-	20
Vanadium, Total	13.2	43.3	62.0	113		-	-	75-125	-	20
Zinc, Total	26.0	43.3	75.9	115		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849623-3 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)									
Mercury, Total	ND	1.72	1.65	96	-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849940-3 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)									
Lead, Total	13.3	46.4	65.4	112	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1849604-4 QC Sample: L2366064-07 Client ID: DUP Sample						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	5.06	5.00	mg/l	1		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Iron, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	1.24	1.22	mg/l	2		20
Manganese, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Potassium, Total	0.622J	0.657J	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	303.	294	mg/l	3		20
Thallium, Total	0.0058J	0.0057J	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1849604-4 QC Sample: L2366064-07 Client ID: DUP Sample					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 06 QC Batch ID: WG1849604-4 QC Sample: L2366064-07 Client ID: DUP Sample					
Arsenic, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849622-4 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)					
Aluminum, Total	5470	5780	mg/kg	6	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	1.73	1.84	mg/kg	6	20
Barium, Total	28.0	28.8	mg/kg	3	20
Beryllium, Total	0.296J	0.311J	mg/kg	NC	20
Cadmium, Total	ND	ND	mg/kg	NC	20
Calcium, Total	1430	1600	mg/kg	11	20
Chromium, Total	11.8	10.9	mg/kg	8	20
Cobalt, Total	4.03	4.31	mg/kg	7	20
Copper, Total	9.62	10.3	mg/kg	7	20
Iron, Total	9310	9860	mg/kg	6	20
Magnesium, Total	2160	2380	mg/kg	10	20
Manganese, Total	296	308	mg/kg	4	20
Nickel, Total	12.7	11.4	mg/kg	11	20
Potassium, Total	604	657	mg/kg	8	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	120J	126J	mg/kg	NC	20
Thallium, Total	0.455J	0.599J	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849622-4 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)					
Vanadium, Total	13.2	13.6	mg/kg	3	20
Zinc, Total	26.0	27.6	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849623-4 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)					
Mercury, Total	ND	ND	mg/kg	NC	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849940-4 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)					
Lead, Total	13.3	13.9	mg/kg	4	20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2365609
Report Date: 11/09/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1849622-6 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)						
Aluminum, Total	5470	5430	mg/kg	1		20
Barium, Total	28.0	28.2	mg/kg	1		20
Calcium, Total	1430	1400	mg/kg	2		20
Iron, Total	9310	9590	mg/kg	3		20
Magnesium, Total	2160	2220	mg/kg	3		20
Manganese, Total	296	296	mg/kg	0		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-01
Client ID: EP-10 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:30
Date Received: 11/03/23
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	89.3		%	0.100	NA	1	-	11/04/23 12:25	121,2540G	ROI

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-02
Client ID: EP-18 (5.5'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 11:45
Date Received: 11/03/23
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	89.9		%	0.100	NA	1	-	11/04/23 12:25	121,2540G	ROI

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-03
Client ID: EP-09A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:15
Date Received: 11/03/23
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	92.6		%	0.100	NA	1	-	11/04/23 12:25	121,2540G	ROI

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-04
Client ID: EP-15A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:45
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	11/04/23 12:25	121,2540G	ROI

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

SAMPLE RESULTS

Lab ID: L2365609-05
Client ID: EP-17A (6'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/03/23 13:30
Date Received: 11/03/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	11/04/23 12:25	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2365609

Report Date: 11/09/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1848282-1 QC Sample: L2365609-01 Client ID: EP-10 (5.5'-BGS)						
Solids, Total	89.3	89.0	%	0		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

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(*)
L2365609-01A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2365609-01B	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-01C	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-01D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2365609-01E	Glass 60mL/2oz unpreserved	A	NA		3.0	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),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2365609-01F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2365609-02A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2365609-02B	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-02C	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-02D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2365609-02E	Glass 60mL/2oz unpreserved	A	NA		3.0	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),PB-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2365609-02F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2365609-03A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2365609-03B	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-03C	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-03D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2365609-03E	Glass 60mL/2oz unpreserved	A	NA		3.0	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),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2365609-03F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2365609-04A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2365609-04B	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-04C	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-04D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2365609-04E	Glass 60mL/2oz unpreserved	A	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2365609-04F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2365609-05A	Vial MeOH preserved	A	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2365609-05B	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-05C	Vial water preserved	A	NA		3.0	Y	Absent	04-NOV-23 08:14	NYTCL-8260HLW(14)
L2365609-05D	Plastic 120ml unpreserved	A	NA		3.0	Y	Absent		TS(7)
L2365609-05E	Glass 60mL/2oz unpreserved	A	NA		3.0	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),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2365609-05F	Glass 250ml/8oz unpreserved	A	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2365609-06A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2365609-06B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2365609-06C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2365609-06D	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	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),SB-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2365609
Report Date: 11/09/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2365609-06E	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2365609-06F	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2365609-06G	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2365609-06H	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2365609-06J	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-LVI(7)
L2365609-06K	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-LVI(7)
L2365609-06L	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2365609-06M	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2365609-07A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2365609-07B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

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:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

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:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

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:	SA 101E 150TH	**Lab Number:**	L2365609
Project Number:	41.0163097.00	**Report Date:**	11/09/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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: 11/3/23

ALPHA Job #: L2365609

Client Information

Client: GZA GeoEnvironmental
Address: 104 W. 29th Street
New York, NY 10001
Phone:
Fax:
Email: Reinbill.Marquez@gza.com

Project Information

Project Name: SA 101 East 150th
Project Location: Bronx, NY
Project #: 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Marquez
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ 3-DAY # of Days:

Deliverables

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

Billing Information

☒ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082	1,4-Dioxane				Total Bottle
L2365609-01	EP-10 (5.5' bgs)	11/3/23	11:30	Soil	MD	X	X	X	X	X				
-02	EP-18 (5.5' bgs)		11:45											
-03	EP-09A (6' bgs)		13:15											
-04	EP-15A (6' bgs)		13:45											
-05	EP-17A (6' bgs)		13:30											
-06	FB-2023-11-03		14:00	Water										
-07	TB-2023-11-03		—	Water										

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

Sample Specific Comments

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
	11/3/23	OMAN, AKL	11/3/23 15:01
OMAN, AKL	11/3/23 16:40	MSMA(AN)	11/3/23 17:00
MSMA(AN)			
	11/3/23 22:15		11/3/23 22:15

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:	L2367513
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101E 150TH
Project Number:	41.0163097.00
Report Date:	11/28/23

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), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2367513-01	EP-17B (8'-BGS)	SOIL	BRONX, NY	11/14/23 11:00	11/14/23
L2367513-02	FB-2023-11-14	WATER	BRONX, NY	11/14/23 11:50	11/14/23
L2367513-03	TB-2023-11-14	WATER	BRONX, NY	11/14/23 11:00	11/14/23

Project Name:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

Case Narrative (continued)

Report Revision

November 28, 2023: The 1,4-Dioxane data for L2367513-02 has been amended. Incorrect results were originally reported associated with a correction made to the associated calibration during sample processing. The analytical results have been corrected and data reissued.

Report Submission

November 27, 2023: This final report includes the results of all requested analyses.

November 17, 2023: 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

L2367513-03: The Trip Blank was analyzed only for Volatile Organics.

Semivolatile Organics by SIM

The WG1852419-1 Method Blank, associated with L2367513-02, has concentrations above the reporting limits for acenaphthene, naphthalene, fluorene, and 2-methylnaphthalene. Since the associated sample concentrations are non-detect to the RL for these target analytes, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Total Metals

L2367513-01: 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: Cristin Walker

Title: Technical Director/Representative Date: 11/28/23

ORGANICS

VOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 11/16/23 12:30
Analyst: LAC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.37	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101E 150TH **Lab Number:** L2367513

Project Number: 41.0163097.00 **Report Date:** 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01 Date Collected: 11/14/23 11:00

Client ID: EP-17B (8'-BGS) Date Received: 11/14/23

Sample Location: 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	2.6		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.99	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.99	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	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	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/15/23 12:49
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-03
Client ID: TB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 11/15/23 13:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-03
Client ID: TB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-03
Client ID: TB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/15/23 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1852590-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/15/23 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1852590-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/15/23 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1852590-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/15/23 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1852590-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/16/23 08:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1853228-5					
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/16/23 08:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1853228-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/16/23 08:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1853228-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 11/16/23 08:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1853228-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1852590-3 WG1852590-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	97		96		63-132	1		20
1,2-Dichloropropane	97		99		70-130	2		20
Dibromochloromethane	92		100		63-130	8		20
1,1,2-Trichloroethane	95		110		70-130	15		20
Tetrachloroethene	96		98		70-130	2		20
Chlorobenzene	94		100		75-130	6		20
Trichlorofluoromethane	85		81		62-150	5		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	99		100		67-130	1		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		110		70-130	10		20
cis-1,3-Dichloropropene	100		110		70-130	10		20
1,1-Dichloropropene	100		97		70-130	3		20
Bromoform	87		96		54-136	10		20
1,1,2,2-Tetrachloroethane	92		110		67-130	18		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		110		70-130	10		20
Chloromethane	83		85		64-130	2		20
Bromomethane	82		95		39-139	15		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1852590-3 WG1852590-4								
Vinyl chloride	93		93		55-140	0		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	93		87		61-145	7		20
trans-1,2-Dichloroethene	96		97		70-130	1		20
Trichloroethene	97		100		70-130	3		20
1,2-Dichlorobenzene	94		100		70-130	6		20
1,3-Dichlorobenzene	98		100		70-130	2		20
1,4-Dichlorobenzene	96		100		70-130	4		20
Methyl tert butyl ether	92		100		63-130	8		20
p/m-Xylene	100		110		70-130	10		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	99		98		70-130	1		20
Dibromomethane	90		99		70-130	10		20
1,2,3-Trichloropropane	92		100		64-130	8		20
Acrylonitrile	75		92		70-130	20		20
Styrene	105		110		70-130	5		20
Dichlorodifluoromethane	71		68		36-147	4		20
Acetone	61		67		58-148	9		20
Carbon disulfide	99		97		51-130	2		20
2-Butanone	72		80		63-138	11		20
Vinyl acetate	98		110		70-130	12		20
4-Methyl-2-pentanone	83		99		59-130	18		20
2-Hexanone	72		90		57-130	**22**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1852590-3 WG1852590-4								
Bromochloromethane	98		100		70-130	2		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	87		99		70-130	13		20
1,3-Dichloropropane	97		110		70-130	13		20
1,1,1,2-Tetrachloroethane	96		100		64-130	4		20
Bromobenzene	95		100		70-130	5		20
n-Butylbenzene	97		100		53-136	3		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	95		97		70-130	2		20
o-Chlorotoluene	99		100		70-130	1		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	83		95		41-144	13		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	96		98		70-130	2		20
Naphthalene	**65**	Q	84		70-130	**26**	Q	20
n-Propylbenzene	99		100		69-130	1		20
1,2,3-Trichlorobenzene	75		91		70-130	19		20
1,2,4-Trichlorobenzene	82		91		70-130	10		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	84		100		56-162	17		20
p-Diethylbenzene	92		97		70-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1852590-3 WG1852590-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	84		89		70-130	6		20
Ethyl ether	89		100		59-134	12		20
trans-1,4-Dichloro-2-butene	72		96		70-130	**29**	Q	20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		110		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

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 Batch: WG1853228-3 WG1853228-4								
Methylene chloride	94		94		70-130	0		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	92		83		70-130	10		30
Carbon tetrachloride	89		80		70-130	11		30
1,2-Dichloropropane	95		96		70-130	1		30
Dibromochloromethane	82		84		70-130	2		30
1,1,2-Trichloroethane	93		94		70-130	1		30
Tetrachloroethene	97		98		70-130	1		30
Chlorobenzene	91		91		70-130	0		30
Trichlorofluoromethane	95		95		70-139	0		30
1,2-Dichloroethane	95		96		70-130	1		30
1,1,1-Trichloroethane	95		87		70-130	9		30
Bromodichloromethane	87		89		70-130	2		30
trans-1,3-Dichloropropene	88		90		70-130	2		30
cis-1,3-Dichloropropene	90		91		70-130	1		30
1,1-Dichloropropene	97		92		70-130	5		30
Bromoform	79		75		70-130	5		30
1,1,2,2-Tetrachloroethane	93		87		70-130	7		30
Benzene	87		90		70-130	3		30
Toluene	90		90		70-130	0		30
Ethylbenzene	90		91		70-130	1		30
Chloromethane	101		99		52-130	2		30
Bromomethane	83		81		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

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 Batch: WG1853228-3 WG1853228-4								
Vinyl chloride	91		88		67-130	3		30
Chloroethane	88		88		50-151	0		30
1,1-Dichloroethene	93		90		65-135	3		30
trans-1,2-Dichloroethene	90		89		70-130	1		30
Trichloroethene	96		97		70-130	1		30
1,2-Dichlorobenzene	92		91		70-130	1		30
1,3-Dichlorobenzene	95		93		70-130	2		30
1,4-Dichlorobenzene	93		93		70-130	0		30
Methyl tert butyl ether	86		86		66-130	0		30
p/m-Xylene	92		94		70-130	2		30
o-Xylene	91		92		70-130	1		30
cis-1,2-Dichloroethene	86		85		70-130	1		30
Dibromomethane	90		91		70-130	1		30
Styrene	92		93		70-130	1		30
Dichlorodifluoromethane	81		78		30-146	4		30
Acetone	95		94		54-140	1		30
Carbon disulfide	90		89		59-130	1		30
2-Butanone	102		92		70-130	10		30
Vinyl acetate	87		85		70-130	2		30
4-Methyl-2-pentanone	91		88		70-130	3		30
1,2,3-Trichloropropane	94		85		68-130	10		30
2-Hexanone	79		75		70-130	5		30
Bromochloromethane	87		85		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

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 Batch: WG1853228-3 WG1853228-4								
2,2-Dichloropropane	80		81		70-130	1		30
1,2-Dibromoethane	92		91		70-130	1		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	87		92		70-130	6		30
Bromobenzene	89		89		70-130	0		30
n-Butylbenzene	103		98		70-130	5		30
sec-Butylbenzene	97		94		70-130	3		30
tert-Butylbenzene	90		89		70-130	1		30
o-Chlorotoluene	110		106		70-130	4		30
p-Chlorotoluene	93		93		70-130	0		30
1,2-Dibromo-3-chloropropane	85		78		68-130	9		30
Hexachlorobutadiene	91		90		67-130	1		30
Isopropylbenzene	91		89		70-130	2		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	87		82		70-130	6		30
Acrylonitrile	91		88		70-130	3		30
n-Propylbenzene	94		92		70-130	2		30
1,2,3-Trichlorobenzene	92		90		70-130	2		30
1,2,4-Trichlorobenzene	93		92		70-130	1		30
1,3,5-Trimethylbenzene	93		91		70-130	2		30
1,2,4-Trimethylbenzene	91		89		70-130	2		30
1,4-Dioxane	94		89		65-136	5		30
p-Diethylbenzene	96		92		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

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 Batch: WG1853228-3 WG1853228-4								
p-Ethyltoluene	92		89		70-130	3		30
1,2,4,5-Tetramethylbenzene	90		90		70-130	0		30
Ethyl ether	88		86		67-130	2		30
trans-1,4-Dichloro-2-butene	92		90		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	98		100		70-130
4-Bromofluorobenzene	100		97		70-130
Dibromofluoromethane	102		94		70-130

SEMIVOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 11/16/23 07:03
Analyst: MG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:48

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	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	ND		ug/kg	110	21.	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	220	31.	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: SA 101E 150TH **Lab Number:** L2367513

Project Number: 41.0163097.00 **Report Date:** 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01 Date Collected: 11/14/23 11:00

Client ID: EP-17B (8'-BGS) Date Received: 11/14/23

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	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	140	25.	1
Pyrene	ND		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	74.	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	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
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	8.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	52		10-136
4-Terphenyl-d14	39		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 11/16/23 03:30
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	64.6	J	ug/l			1
Unknown	2.33	J	ug/l			1
Unknown	1.96	J	ug/l			1
Unknown	4.87	J	ug/l			1
Unknown Organic Acid	6.14	J	ug/l			1
Unknown Organic Acid	4.69	J	ug/l			1
Unknown	16.0	J	ug/l			1
Unknown Amide	1.96	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown	2.14	J	ug/l			1
Unknown	4.84	J	ug/l			1
Unknown	13.0	J	ug/l			1
Unknown	4.98	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	89		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/16/23 13:14
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.08	JB	ug/l	0.10	0.05	1
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.02	JB	ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.03	JB	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
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	78		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	98		10-120
4-Terphenyl-d14	99		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 11/23/23 07:28
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/20/23 12:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/16/23 15:07
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1852419-1					
Acenaphthene	0.11		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	1.6		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	0.08	J	ug/l	0.10	0.01
Anthracene	0.02	J	ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	0.11		ug/l	0.10	0.01
Phenanthrene	0.07	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	0.50		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/16/23 15:07
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1852419-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	74		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 00:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1852420-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	1.8	J	ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 00:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1852420-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	0.52	J	ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 00:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1852420-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	48.3	J	ug/l
Unknown Organic Acid	4.14	J	ug/l
Unknown	11.6	J	ug/l
Unknown	2.76	J	ug/l
Unknown	3.85	J	ug/l
Unknown	1.49	J	ug/l
Unknown	14.2	J	ug/l
Unknown	1.67	J	ug/l
Unknown	2.36	J	ug/l
Unknown	1.85	J	ug/l
Unknown	4.40	J	ug/l

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 00:49
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 11/15/23 07:36

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1852420-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	83		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 02:08
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1852515-1					
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	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	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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 02:08
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1852515-1					
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	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 02:08
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1852515-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
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	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			
Total TIC Compounds	1190	J	ug/kg
Unknown Ketone	181	J	ug/kg
Unknown	548	J	ug/kg
Unknown Ketone	199	J	ug/kg
Unknown	265	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 11/16/23 02:08
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:48

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1852515-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 11/23/23 06:19
Analyst: TPR

Extraction Method: EPA 3510C
Extraction Date: 11/20/23 12:31

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 02 Batch: WG1854594-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1852419-2 WG1852419-3								
Acenaphthene	74		64		40-140	14		40
2-Chloronaphthalene	72		63		40-140	13		40
Fluoranthene	88		77		40-140	13		40
Hexachlorobutadiene	61		54		40-140	12		40
Naphthalene	83		61		40-140	31		40
Benzo(a)anthracene	86		78		40-140	10		40
Benzo(a)pyrene	95		85		40-140	11		40
Benzo(b)fluoranthene	93		86		40-140	8		40
Benzo(k)fluoranthene	94		85		40-140	10		40
Chrysene	82		72		40-140	13		40
Acenaphthylene	81		71		40-140	13		40
Anthracene	89		79		40-140	12		40
Benzo(ghi)perylene	90		82		40-140	9		40
Fluorene	80		68		40-140	16		40
Phenanthrene	83		73		40-140	13		40
Dibenzo(a,h)anthracene	96		87		40-140	10		40
Indeno(1,2,3-cd)pyrene	90		80		40-140	12		40
Pyrene	85		75		40-140	13		40
2-Methylnaphthalene	75		64		40-140	16		40
Pentachlorophenol	78		74		40-140	5		40
Hexachlorobenzene	78		70		40-140	11		40
Hexachloroethane	62		53		40-140	16		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1852419-2 WG1852419-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		63		21-120
Phenol-d6	61		57		10-120
Nitrobenzene-d5	81		70		23-120
2-Fluorobiphenyl	74		65		15-120
2,4,6-Tribromophenol	92		80		10-120
4-Terphenyl-d14	89		78		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1852420-2 WG1852420-3								
Acenaphthene	69		61		37-111	12		30
1,2,4-Trichlorobenzene	70		57		39-98	20		30
Hexachlorobenzene	80		74		40-140	8		30
Bis(2-chloroethyl)ether	71		58		40-140	20		30
2-Chloronaphthalene	73		61		40-140	18		30
1,2-Dichlorobenzene	66		55		40-140	18		30
1,3-Dichlorobenzene	63		55		40-140	14		30
1,4-Dichlorobenzene	66		55		36-97	18		30
3,3'-Dichlorobenzidine	73		49		40-140	**39**	Q	30
2,4-Dinitrotoluene	78		71		48-143	9		30
2,6-Dinitrotoluene	76		68		40-140	11		30
Fluoranthene	79		68		40-140	15		30
4-Chlorophenyl phenyl ether	76		68		40-140	11		30
4-Bromophenyl phenyl ether	80		70		40-140	13		30
Bis(2-chloroisopropyl)ether	66		55		40-140	18		30
Bis(2-chloroethoxy)methane	70		60		40-140	15		30
Hexachlorobutadiene	65		57		40-140	13		30
Hexachlorocyclopentadiene	64		54		40-140	17		30
Hexachloroethane	64		54		40-140	17		30
Isophorone	71		60		40-140	17		30
Naphthalene	84		58		40-140	**37**	Q	30
Nitrobenzene	70		57		40-140	20		30
NDPA/DPA	79		69		40-140	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1852420-2 WG1852420-3								
n-Nitrosodi-n-propylamine	71		60		29-132	17		30
Bis(2-ethylhexyl)phthalate	86		75		40-140	14		30
Butyl benzyl phthalate	84		72		40-140	15		30
Di-n-butylphthalate	78		68		40-140	14		30
Di-n-octylphthalate	82		73		40-140	12		30
Diethyl phthalate	81		74		40-140	9		30
Dimethyl phthalate	80		70		40-140	13		30
Benzo(a)anthracene	81		70		40-140	15		30
Benzo(a)pyrene	83		71		40-140	16		30
Benzo(b)fluoranthene	79		71		40-140	11		30
Benzo(k)fluoranthene	79		68		40-140	15		30
Chrysene	76		67		40-140	13		30
Acenaphthylene	76		64		45-123	17		30
Anthracene	77		66		40-140	15		30
Benzo(ghi)perylene	80		74		40-140	8		30
Fluorene	78		68		40-140	14		30
Phenanthrene	75		63		40-140	17		30
Dibenzo(a,h)anthracene	81		73		40-140	10		30
Indeno(1,2,3-cd)pyrene	81		73		40-140	10		30
Pyrene	77		67		26-127	14		30
Biphenyl	78		65		40-140	18		30
4-Chloroaniline	63		40		40-140	**45**	Q	30
2-Nitroaniline	77		69		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1852420-2 WG1852420-3								
3-Nitroaniline	74		69		25-145	7		30
4-Nitroaniline	78		68		51-143	14		30
Dibenzofuran	76		66		40-140	14		30
2-Methylnaphthalene	74		62		40-140	18		30
1,2,4,5-Tetrachlorobenzene	74		63		2-134	16		30
Acetophenone	75		64		39-129	16		30
2,4,6-Trichlorophenol	82		72		30-130	13		30
p-Chloro-m-cresol	82		71		23-97	14		30
2-Chlorophenol	73		60		27-123	20		30
2,4-Dichlorophenol	76		65		30-130	16		30
2,4-Dimethylphenol	70		51		30-130	**31**	Q	30
2-Nitrophenol	71		62		30-130	14		30
4-Nitrophenol	72		70		10-80	3		30
2,4-Dinitrophenol	76		79		20-130	4		30
4,6-Dinitro-o-cresol	90		80		20-164	12		30
Pentachlorophenol	84		78		9-103	7		30
Phenol	62		54		12-110	14		30
2-Methylphenol	72		60		30-130	18		30
3-Methylphenol/4-Methylphenol	79		62		30-130	24		30
2,4,5-Trichlorophenol	85		73		30-130	15		30
Benzoic Acid	35		62		10-164	**56**	Q	30
Benzyl Alcohol	72		64		26-116	12		30
Carbazole	82		71		55-144	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1852420-2 WG1852420-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		58		21-120
Phenol-d6	59		52		10-120
Nitrobenzene-d5	71		60		23-120
2-Fluorobiphenyl	71		61		15-120
2,4,6-Tribromophenol	89		79		10-120
4-Terphenyl-d14	79		68		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1852515-2 WG1852515-3								
Acenaphthene	71		60		31-137	17		50
1,2,4-Trichlorobenzene	70		61		38-107	14		50
Hexachlorobenzene	66		58		40-140	13		50
Bis(2-chloroethyl)ether	76		69		40-140	10		50
2-Chloronaphthalene	75		63		40-140	17		50
1,2-Dichlorobenzene	73		64		40-140	13		50
1,3-Dichlorobenzene	72		63		40-140	13		50
1,4-Dichlorobenzene	72		64		28-104	12		50
3,3'-Dichlorobenzidine	66		58		40-140	13		50
2,4-Dinitrotoluene	76		65		40-132	16		50
2,6-Dinitrotoluene	78		68		40-140	14		50
Fluoranthene	72		64		40-140	12		50
4-Chlorophenyl phenyl ether	69		60		40-140	14		50
4-Bromophenyl phenyl ether	69		61		40-140	12		50
Bis(2-chloroisopropyl)ether	93		80		40-140	15		50
Bis(2-chloroethoxy)methane	80		70		40-117	13		50
Hexachlorobutadiene	70		62		40-140	12		50
Hexachlorocyclopentadiene	60		52		40-140	14		50
Hexachloroethane	79		70		40-140	12		50
Isophorone	81		70		40-140	15		50
Naphthalene	75		66		40-140	13		50
Nitrobenzene	83		72		40-140	14		50
NDPA/DPA	72		63		36-157	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1852515-2 WG1852515-3								
n-Nitrosodi-n-propylamine	84		73		32-121	14		50
Bis(2-ethylhexyl)phthalate	91		78		40-140	15		50
Butyl benzyl phthalate	85		75		40-140	13		50
Di-n-butylphthalate	82		70		40-140	16		50
Di-n-octylphthalate	94		82		40-140	14		50
Diethyl phthalate	76		66		40-140	14		50
Dimethyl phthalate	75		67		40-140	11		50
Benzo(a)anthracene	74		67		40-140	10		50
Benzo(a)pyrene	72		67		40-140	7		50
Benzo(b)fluoranthene	74		63		40-140	16		50
Benzo(k)fluoranthene	68		67		40-140	1		50
Chrysene	76		68		40-140	11		50
Acenaphthylene	70		61		40-140	14		50
Anthracene	74		65		40-140	13		50
Benzo(ghi)perylene	70		64		40-140	9		50
Fluorene	72		62		40-140	15		50
Phenanthrene	72		63		40-140	13		50
Dibenzo(a,h)anthracene	72		64		40-140	12		50
Indeno(1,2,3-cd)pyrene	78		71		40-140	9		50
Pyrene	73		65		35-142	12		50
Biphenyl	72		62		37-127	15		50
4-Chloroaniline	86		75		40-140	14		50
2-Nitroaniline	83		72		47-134	14		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1852515-2 WG1852515-3								
3-Nitroaniline	72		60		26-129	18		50
4-Nitroaniline	76		68		41-125	11		50
Dibenzofuran	72		62		40-140	15		50
2-Methylnaphthalene	77		67		40-140	14		50
1,2,4,5-Tetrachlorobenzene	70		61		40-117	14		50
Acetophenone	75		67		14-144	11		50
2,4,6-Trichlorophenol	79		70		30-130	12		50
p-Chloro-m-cresol	84		75		26-103	11		50
2-Chlorophenol	82		71		25-102	14		50
2,4-Dichlorophenol	83		71		30-130	16		50
2,4-Dimethylphenol	63		56		30-130	12		50
2-Nitrophenol	80		70		30-130	13		50
4-Nitrophenol	96		85		11-114	12		50
2,4-Dinitrophenol	53		45		4-130	16		50
4,6-Dinitro-o-cresol	82		72		10-130	13		50
Pentachlorophenol	75		65		17-109	14		50
Phenol	83		73		26-90	13		50
2-Methylphenol	78		68		30-130.	14		50
3-Methylphenol/4-Methylphenol	84		76		30-130	10		50
2,4,5-Trichlorophenol	79		67		30-130	16		50
Benzoic Acid	20		17		10-110	16		50
Benzyl Alcohol	85		72		40-140	17		50
Carbazole	75		66		54-128	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1852515-2 WG1852515-3								
1,4-Dioxane	54		49		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	83		72		25-120
Phenol-d6	83		74		10-120
Nitrobenzene-d5	76		68		23-120
2-Fluorobiphenyl	72		63		30-120
2,4,6-Tribromophenol	75		64		10-136
4-Terphenyl-d14	67		60		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 02 Batch: WG1854594-2 WG1854594-3								
1,4-Dioxane	119		122		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	41		37		15-110

PCBS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/16/23 07:51
Analyst: RMP
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/15/23 10:50
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.4	4.74	1	A
Aroclor 1221	ND		ug/kg	53.4	5.35	1	A
Aroclor 1232	ND		ug/kg	53.4	11.3	1	A
Aroclor 1242	ND		ug/kg	53.4	7.20	1	A
Aroclor 1248	ND		ug/kg	53.4	8.02	1	A
Aroclor 1254	ND		ug/kg	53.4	5.85	1	A
Aroclor 1260	ND		ug/kg	53.4	9.88	1	A
Aroclor 1262	ND		ug/kg	53.4	6.79	1	A
Aroclor 1268	ND		ug/kg	53.4	5.54	1	A
PCBs, Total	ND		ug/kg	53.4	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/17/23 09:04
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 11/16/23 15:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/16/23 06:44
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 11/15/23 10:50
Cleanup Method: EPA 3665A
Cleanup Date: 11/15/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1852569-1						
Aroclor 1016	ND		ug/kg	46.7	4.14	A
Aroclor 1221	ND		ug/kg	46.7	4.68	A
Aroclor 1232	ND		ug/kg	46.7	9.90	A
Aroclor 1242	ND		ug/kg	46.7	6.29	A
Aroclor 1248	ND		ug/kg	46.7	7.00	A
Aroclor 1254	ND		ug/kg	46.7	5.11	A
Aroclor 1260	ND		ug/kg	46.7	8.63	A
Aroclor 1262	ND		ug/kg	46.7	5.93	A
Aroclor 1268	ND		ug/kg	46.7	4.84	A
PCBs, Total	ND		ug/kg	46.7	4.14	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 11/17/23 08:37
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 11/16/23 15:41
Cleanup Method: EPA 3665A
Cleanup Date: 11/17/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/17/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1853334-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1852569-2 WG1852569-3									
Aroclor 1016	77		82		40-140	6		50	A
Aroclor 1260	75		80		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		78		30-150	A
Decachlorobiphenyl	62		66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		77		30-150	B
Decachlorobiphenyl	64		69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1853334-2 WG1853334-3									
Aroclor 1016	77		68		40-140	12		50	A
Aroclor 1260	73		64		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		67		30-150	A
Decachlorobiphenyl	70		58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		66		30-150	B
Decachlorobiphenyl	71		59		30-150	B

PESTICIDES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:00
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/16/23 09:17
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:29
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.326	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.663	1	A
Heptachlor	ND		ug/kg	0.874	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.299	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.765	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	A
4,4'-DDE	ND		ug/kg	1.75	0.404	1	A
4,4'-DDD	ND		ug/kg	1.75	0.624	1	A
4,4'-DDT	ND		ug/kg	1.75	1.40	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.347	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.18	1	A
cis-Chlordane	ND		ug/kg	2.18	0.609	1	A
trans-Chlordane	ND		ug/kg	2.18	0.577	1	A
Chlordane	ND		ug/kg	14.6	5.79	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
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	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/17/23 14:50
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/16/23 15:37

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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:50
Date Received: 11/14/23
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	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/16/23 07:41
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:29
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1852506-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.637	0.285	A
Alpha-BHC	ND		ug/kg	0.637	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.580	A
Heptachlor	ND		ug/kg	0.764	0.343	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.87	0.860	A
Endrin	ND		ug/kg	0.637	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.669	A
Endrin ketone	ND		ug/kg	1.53	0.394	A
Dieldrin	ND		ug/kg	0.955	0.478	A
4,4'-DDE	ND		ug/kg	1.53	0.354	A
4,4'-DDD	ND		ug/kg	1.53	0.545	A
4,4'-DDT	ND		ug/kg	1.53	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.361	A
Endosulfan II	ND		ug/kg	1.53	0.511	A
Endosulfan sulfate	ND		ug/kg	0.637	0.303	A
Methoxychlor	ND		ug/kg	2.87	0.892	A
Toxaphene	ND		ug/kg	28.7	8.02	A
cis-Chlordane	ND		ug/kg	1.91	0.532	A
trans-Chlordane	ND		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.7	5.06	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/16/23 07:41
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 11/15/23 09:29
Cleanup Method: EPA 3620B
Cleanup Date: 11/16/23
Cleanup Method: EPA 3660B
Cleanup Date: 11/16/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1852506-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/17/23 14:15
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/16/23 15:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1853333-1						
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
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
4,4'-DDT	0.003	JIP	ug/l	0.029	0.003	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 11/17/23 14:15
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 11/16/23 15:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1853333-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1852506-2 WG1852506-3									
Delta-BHC	82		81		30-150	1		30	A
Lindane	77		75		30-150	3		30	A
Alpha-BHC	78		77		30-150	1		30	A
Beta-BHC	85		85		30-150	0		30	A
Heptachlor	79		78		30-150	1		30	A
Aldrin	74		73		30-150	1		30	A
Heptachlor epoxide	63		64		30-150	2		30	A
Endrin	76		77		30-150	1		30	A
Endrin aldehyde	66		68		30-150	3		30	A
Endrin ketone	82		82		30-150	0		30	A
Dieldrin	85		85		30-150	0		30	A
4,4'-DDE	75		74		30-150	1		30	A
4,4'-DDD	76		74		30-150	3		30	A
4,4'-DDT	76		76		30-150	0		30	A
Endosulfan I	72		70		30-150	3		30	A
Endosulfan II	70		70		30-150	0		30	A
Endosulfan sulfate	75		79		30-150	5		30	A
Methoxychlor	85		86		30-150	1		30	A
cis-Chlordane	77		75		30-150	3		30	A
trans-Chlordane	91		92		30-150	1		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1852506-2 WG1852506-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		63		30-150	A
Decachlorobiphenyl	83		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		68		30-150	B
Decachlorobiphenyl	93		92		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1853333-2 WG1853333-3									
Delta-BHC	55		70		30-150	**23**	Q	20	A
Lindane	52		67		30-150	**24**	Q	20	A
Alpha-BHC	53		67		30-150	**23**	Q	20	A
Beta-BHC	57		77		30-150	**31**	Q	20	A
Heptachlor	53		68		30-150	**24**	Q	20	A
Aldrin	49		61		30-150	**22**	Q	20	A
Heptachlor epoxide	51		63		30-150	**21**	Q	20	A
Endrin	51		65		30-150	**24**	Q	20	A
Endrin aldehyde	43		54		30-150	**22**	Q	20	A
Endrin ketone	52		64		30-150	19		20	A
Dieldrin	59		73		30-150	**21**	Q	20	A
4,4'-DDE	51		62		30-150	19		20	A
4,4'-DDD	52		61		30-150	16		20	A
4,4'-DDT	58		90		30-150	**42**	Q	20	A
Endosulfan I	55		83		30-150	**40**	Q	20	A
Endosulfan II	48		58		30-150	19		20	A
Endosulfan sulfate	50		59		30-150	18		20	A
Methoxychlor	62		78		30-150	**23**	Q	20	A
cis-Chlordane	51		63		30-150	**21**	Q	20	A
trans-Chlordane	62		85		30-150	**32**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1853333-2 WG1853333-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		66		30-150	A
Decachlorobiphenyl	52		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		66		30-150	B
Decachlorobiphenyl	61		70		30-150	B

METALS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY
Date Collected: 11/14/23 11:00
Date Received: 11/14/23
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	6040		mg/kg	8.60	2.32	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Antimony, Total	ND		mg/kg	4.30	0.327	2	11/15/23 21:29	11/16/23 12:39	EPA 3050B	1,6010D	DHL
Arsenic, Total	1.17		mg/kg	0.860	0.179	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Barium, Total	23.6		mg/kg	0.860	0.150	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Beryllium, Total	0.264	J	mg/kg	0.430	0.028	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.860	0.084	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Calcium, Total	458		mg/kg	8.60	3.01	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Chromium, Total	8.16		mg/kg	0.860	0.083	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Cobalt, Total	4.54		mg/kg	1.72	0.143	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Copper, Total	5.70		mg/kg	0.860	0.222	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Iron, Total	8380		mg/kg	4.30	0.776	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Lead, Total	3.72	J	mg/kg	4.30	0.230	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Magnesium, Total	1460		mg/kg	8.60	1.32	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Manganese, Total	434		mg/kg	0.860	0.137	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Mercury, Total	ND		mg/kg	0.076	0.049	1	11/15/23 22:11	11/16/23 21:18	EPA 7471B	1,7471B	GMG
Nickel, Total	7.93		mg/kg	2.15	0.208	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Potassium, Total	442		mg/kg	215	12.4	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Selenium, Total	ND		mg/kg	1.72	0.222	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Silver, Total	ND		mg/kg	0.430	0.243	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Sodium, Total	47.3	J	mg/kg	172	2.71	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Thallium, Total	ND		mg/kg	1.72	0.271	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Vanadium, Total	9.50		mg/kg	0.860	0.174	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB
Zinc, Total	14.0		mg/kg	4.30	0.252	2	11/15/23 21:29	11/16/23 09:49	EPA 3050B	1,6010D	DMB

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-02
Client ID: FB-2023-11-14
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 11/14/23 11:50
Date Received: 11/14/23
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Magnesium, Total	ND		mg/l	0.100	0.0153	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Mercury, Total	0.00009	J	mg/l	0.00020	0.00009	1	11/15/23 23:32	11/17/23 09:52	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Thallium, Total	0.0030	J	mg/l	0.0200	0.0025	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/15/23 23:31	11/16/23 18:00	EPA 3005A	1,6010D	JMF

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1852558-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/15/23 21:29	11/16/23 12:14	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Barium, Total	ND		mg/kg	0.400	0.070	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Copper, Total	ND		mg/kg	0.400	0.103	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Iron, Total	ND		mg/kg	2.00	0.361	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Lead, Total	ND		mg/kg	2.00	0.107	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Potassium, Total	ND		mg/kg	100	5.76	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Silver, Total	ND		mg/kg	0.200	0.113	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/15/23 21:29	11/16/23 08:38	1,6010D	DMB

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 Batch: WG1852561-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	11/15/23 22:11	11/16/23 21:11	1,7471B	GMG

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1852645-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Barium, Total	ND		mg/l	0.0100	0.0021	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Calcium, Total	ND		mg/l	0.100	0.0350	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Iron, Total	ND		mg/l	0.0500	0.0090	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Magnesium, Total	ND		mg/l	0.100	0.0153	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Manganese, Total	ND		mg/l	0.0100	0.0016	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Thallium, Total	0.0031	J	mg/l	0.0200	0.0025	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF
Zinc, Total	ND		mg/l	0.0500	0.0021	1	11/15/23 23:31	11/16/23 17:51	1,6010D	JMF

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2367513
Report Date: 11/28/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02 Batch: WG1852646-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/15/23 23:32	11/17/23 09:27	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1852558-2 SRM Lot Number: D119-540								
Aluminum, Total	78		-		48-152	-		
Antimony, Total	127		-		10-190	-		
Arsenic, Total	109		-		83-117	-		
Barium, Total	100		-		82-118	-		
Beryllium, Total	103		-		83-117	-		
Cadmium, Total	96		-		82-117	-		
Calcium, Total	101		-		81-118	-		
Chromium, Total	103		-		82-119	-		
Cobalt, Total	101		-		83-117	-		
Copper, Total	98		-		84-116	-		
Iron, Total	98		-		60-140	-		
Lead, Total	108		-		82-118	-		
Magnesium, Total	92		-		76-124	-		
Manganese, Total	101		-		82-118	-		
Nickel, Total	99		-		82-117	-		
Potassium, Total	93		-		70-130	-		
Selenium, Total	107		-		79-121	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	101		-		74-126	-		
Thallium, Total	108		-		81-119	-		
Vanadium, Total	100		-		79-121	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1852558-2 SRM Lot Number: D119-540					
Zinc, Total	101	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1852561-2 SRM Lot Number: D119-540					
Mercury, Total	104	-	73-127	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1852645-2					
Aluminum, Total	112	-	80-120	-	
Antimony, Total	104	-	80-120	-	
Arsenic, Total	107	-	80-120	-	
Barium, Total	111	-	80-120	-	
Beryllium, Total	111	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	109	-	80-120	-	
Chromium, Total	108	-	80-120	-	
Cobalt, Total	105	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	104	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	117	-	80-120	-	
Selenium, Total	106	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	113	-	80-120	-	
Thallium, Total	107	-	80-120	-	
Vanadium, Total	106	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1852645-2					
Zinc, Total	104	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1852646-2					
Mercury, Total	94	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1852558-3 WG1852558-4 QC Sample: L2367740-08 Client ID: MS Sample												
Aluminum, Total	27400	269	33000	**2080**	Q	31600	**1610**	Q	75-125	4		20
Antimony, Total	ND	67.3	37.3	**55**	Q	41.3	**63**	Q	75-125	10		20
Arsenic, Total	4.64	16.1	23.9	119		22.8	116		75-125	5		20
Barium, Total	204	269	454	93		422	84		75-125	7		20
Beryllium, Total	1.37	6.73	7.31	88		6.80	83		75-125	7		20
Cadmium, Total	ND	7.13	4.65	**65**	Q	4.42	**64**	Q	75-125	5		20
Calcium, Total	4880	1340	7440	**190**	Q	6030	88		75-125	**21**	Q	20
Chromium, Total	38.0	26.9	63.1	93		60.4	86		75-125	4		20
Cobalt, Total	8.46	67.3	55.5	**70**	Q	52.8	**68**	Q	75-125	5		20
Copper, Total	38.5	33.6	68.2	88		64.0	78		75-125	6		20
Iron, Total	24600	134	27900	**2450**	Q	27000	**1840**	Q	75-125	3		20
Lead, Total	16.1	71.3	83.6	95		79.8	92		75-125	5		20
Magnesium, Total	5550	1340	7290	**129**	Q	6680	87		75-125	9		20
Manganese, Total	324	67.3	423	**147**	Q	394	108		75-125	7		20
Nickel, Total	29.6	67.3	77.1	**71**	Q	73.5	**67**	Q	75-125	5		20
Potassium, Total	2440	1340	4240	**134**	Q	4060	124		75-125	4		20
Selenium, Total	0.313J	16.1	16.7	103		15.8	101		75-125	6		20
Silver, Total	0.320	6.73	6.09	90		5.71	88		75-125	6		20
Sodium, Total	86.6J	1340	1270	94		1180	91		75-125	7		20
Thallium, Total	1.53	16.1	16.5	93		15.8	91		75-125	4		20
Vanadium, Total	39.7	67.3	103	94		93.9	83		75-125	9		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1852558-3 WG1852558-4 QC Sample: L2367740-08 Client ID: MS Sample										
Zinc, Total	63.2	67.3	114	76	109	**70**	Q	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1852561-3 QC Sample: L2367513-01 Client ID: EP-17B (8'-BGS)										
Mercury, Total	ND	1.5	1.46	97	-	-		80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

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): 02 QC Batch ID: WG1852645-3 QC Sample: L2367692-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.24	112	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.486	97	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.124	103	-	-	75-125	-	20
Barium, Total	ND	2	2.19	110	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0553	111	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0549	104	-	-	75-125	-	20
Calcium, Total	2.82	10	13.5	107	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.215	108	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.512	102	-	-	75-125	-	20
Copper, Total	ND	0.25	0.246	98	-	-	75-125	-	20
Iron, Total	0.0200J	1	1.08	108	-	-	75-125	-	20
Lead, Total	ND	0.53	0.539	102	-	-	75-125	-	20
Magnesium, Total	0.597	10	11.0	104	-	-	75-125	-	20
Manganese, Total	0.0016J	0.5	0.517	103	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.504	101	-	-	75-125	-	20
Potassium, Total	0.684J	10	12.2	122	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.125	104	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0548	110	-	-	75-125	-	20
Sodium, Total	3.24	10	14.1	109	-	-	75-125	-	20
Thallium, Total	0.002J	0.12	0.125	104	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.522	104	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

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): 02 QC Batch ID: WG1852645-3 QC Sample: L2367692-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.514	103	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1852646-3 QC Sample: L2367573-07 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00444	89	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1852561-4 QC Sample: L2367513-01 Client ID: EP-17B (8'-BGS)						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1852645-4 QC Sample: L2367692-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Calcium, Total	2.82	2.80	mg/l	1		20
Iron, Total	0.0200J	0.0206J	mg/l	NC		20
Magnesium, Total	0.597	0.598	mg/l	0		20
Manganese, Total	0.0016J	0.0028J	mg/l	NC		20
Potassium, Total	0.684J	0.649J	mg/l	NC		20
Sodium, Total	3.24	3.07	mg/l	5		20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1852646-4 QC Sample: L2367573-07 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2367513
Report Date: 11/28/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1852558-6 QC Sample: L2367740-08 Client ID: DUP Sample						
Barium, Total	204	237	mg/kg	16		20
Chromium, Total	38.0	47.0	mg/kg	**24**	Q	20
Copper, Total	38.5	41.5	mg/kg	8		20
Manganese, Total	324	398	mg/kg	**23**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

SAMPLE RESULTS

Lab ID: L2367513-01
Client ID: EP-17B (8'-BGS)
Sample Location: BRONX, NY

Date Collected: 11/14/23 11:00
Date Received: 11/14/23
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	91.1		%	0.100	NA	1	-	11/15/23 09:19	121,2540G	GAG

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2367513

Report Date: 11/28/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1852503-1 QC Sample: L2367513-01 Client ID: EP-17B (8'-BGS)						
Solids, Total	91.1	91.0	%	0		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

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(*)
L2367513-01A	Vial MeOH preserved	A	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L2367513-01B	Vial water preserved	A	NA		2.2	Y	Absent	15-NOV-23 06:52	NYTCL-8260HLW(14)
L2367513-01C	Vial water preserved	A	NA		2.2	Y	Absent	15-NOV-23 06:52	NYTCL-8260HLW(14)
L2367513-01D	Plastic 120ml unpreserved	A	NA		2.2	Y	Absent		TS(7)
L2367513-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2367513-01F	Glass 250ml/8oz unpreserved	A	NA		2.2	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2367513-02A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2367513-02B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2367513-02C	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2367513-02D	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2367513-02E	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8082-LVI(365)
L2367513-02F	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8081(7)
L2367513-02G	Amber 120ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8081(7)
L2367513-02H	Plastic 250ml HNO3 preserved	A	<2	<2	2.2	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),PB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2367513-02I	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2367513-02J	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2367513-02K	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2367513-02L	Amber 250ml unpreserved	A	7	7	2.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2367513
Report Date: 11/28/23

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2367513-03A	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)
L2367513-03B	Vial HCl preserved	A	NA		2.2	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

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:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

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:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

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:	SA 101E 150TH	**Lab Number:**	L2367513
Project Number:	41.0163097.00	**Report Date:**	11/28/23

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
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FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 11/15/23

ALPHA Job #: L2367513

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ 3-day # of Days:

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

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

Billing Information
☒ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081 / 8082	1,4-Dioxane				Sample Specific Comments	Total Bottle
67513-01	EP-17B (8' bgs)	11/14/23	11:00	S	JN	X	X	X	X	X					
02	FB 2023-11-14	↓	11:50	W		↓	↓	↓	↓	↓					
03	TB 2023-11-14	↓	~	W	↓	↓	↓	↓	↓	↓					

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
Jazlyn Natalie (GZA)	11/14/23 13:10		11/14/23 13:10
	11/14/23 19:15		11/14/23 19:25
	11/14/23		11/15 22:00
	11/15 0:30		11/15/23 0930

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)

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GEOTECHNICAL
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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez

Date: January 30, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached). As shown on Drawing 1, all 39 IRM EP sample locations have been collected and reported to the NYSDEC as of this memorandum.

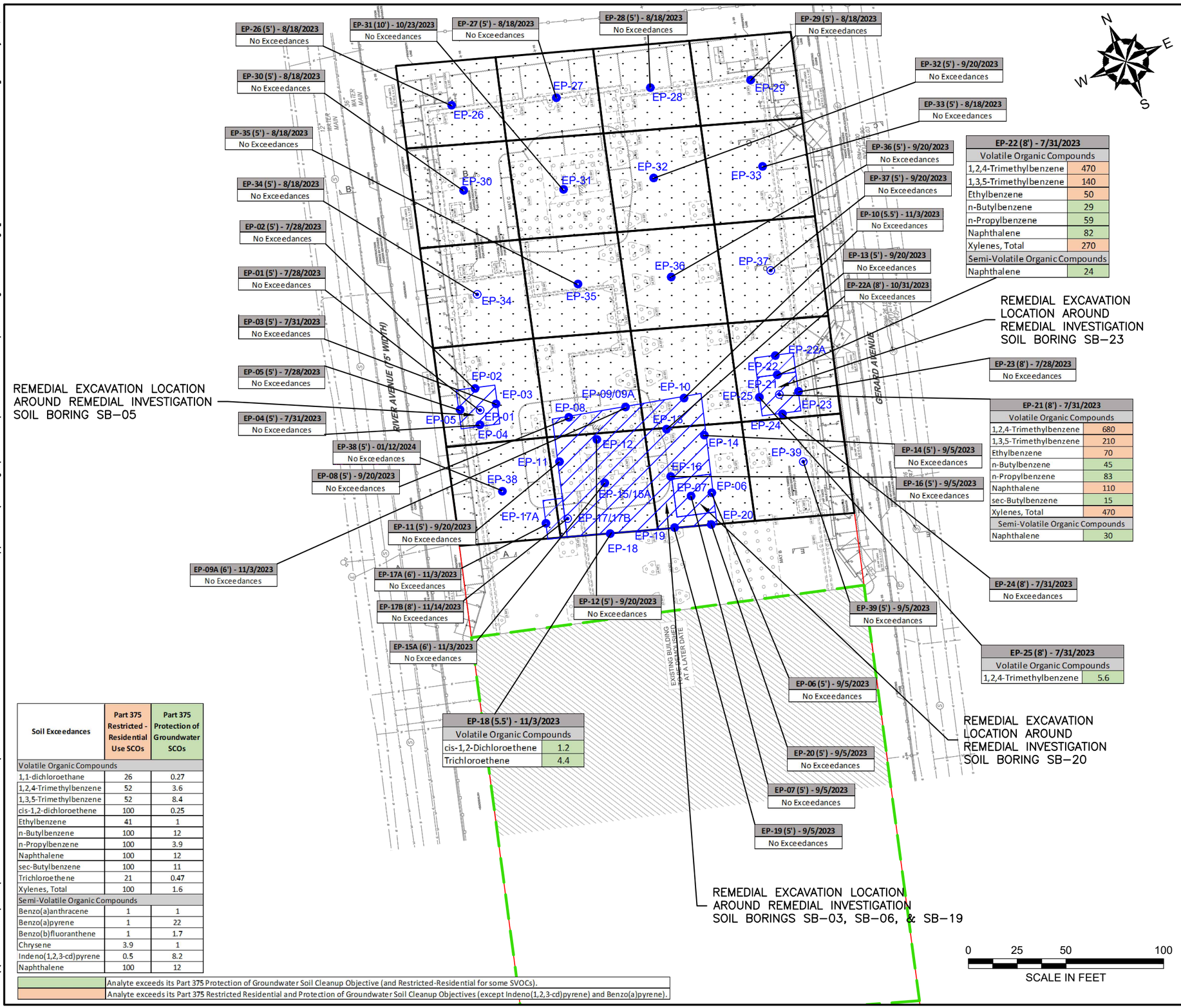
The sample **EP-38** was collected at 5 feet below ground surface (bgs), which corresponds to the depth of excavation during the IRM in this area. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Sample

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). This memorandum also transmits to the NYSDEC the laboratory report (Project ID No. L2402095) that were prepared by Alpha Analytical Laboratories of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

An Equal Opportunity Employer M/F/V/H

FIGURES



GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "S.O.E. SECTIONS AND DETAILS", PREPARED BY "MACRO ENTERPRISES, LTD.", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 04–20–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-01 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION INCLUDING PFAS ANALYSIS
- EP-24 COLLECTED REMEDIAL EXCAVATION ENDPOINT SAMPLE LOCATION WITHOUT PFAS ANALYSIS

Soil Exceedances	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
1,1-dichloroethane	26	0.27
1,2,4-Trimethylbenzene	52	3.6
1,3,5-Trimethylbenzene	52	8.4
cis-1,2-dichloroethene	100	0.25
Ethylbenzene	41	1
n-Butylbenzene	100	12
n-Propylbenzene	100	3.9
Naphthalene	100	12
sec-Butylbenzene	100	11
Trichloroethene	21	0.47
Xylenes, Total	100	1.6
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2
Naphthalene	100	12

	Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).
	Analyte exceeds its Part 375 Restricted Residential and Protection of Groundwater Soil Cleanup Objectives (except Indeno(1,2,3-cd)pyrene) and Benzo(a)pyrene).

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP
(JANUARY 29, 2024)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: JHB	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: JANUARY 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–\\GZANYMan1\Jobs\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Spider Diagram_EPs.dwg [FIG 1 – SPIDER DIAGRAM_Nov] January 29, 2024 – 4:

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Sample
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-38	
LAB SAMPLE ID				L2402095-01	
DATE				1/12/2024	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)					
1,1,1,2-Tetrachloroethane	--	--	--	0.00053	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0015	
1,1,2,2-Tetrachloroethane	--	--	--	0.00053	U
1,1,2-Trichloroethane	--	--	--	0.0011	U
1,1-Dichloroethane	0.27	26	0.27	0.00048	J
1,1-Dichloroethene	0.33	100	0.33	0.0011	U
1,1-Dichloropropene	--	--	--	0.00053	U
1,2,3-Trichlorobenzene	--	--	--	0.0021	U
1,2,3-Trichloropropane	--	--	--	0.0021	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0021	U
1,2,4-Trichlorobenzene	--	--	--	0.0021	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0021	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0032	U
1,2-Dibromoethane	--	--	--	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011	U
1,2-Dichloroethene, Total	--	--	--	0.00082	J
1,2-Dichloropropane	--	--	--	0.0011	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0021	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0021	U
1,3-Dichloropropane	--	--	--	0.0021	U
1,3-Dichloropropene, Total	--	--	--	0.00053	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0021	U
1,4-Dioxane	0.1	13	0.1	0.085	U
2,2-Dichloropropane	--	--	--	0.0021	U
2-Butanone	0.12	100	0.12	0.011	U
2-Hexanone	--	--	--	0.011	U
4-Methyl-2-pentanone	--	--	--	0.011	U
Acetone	0.05	100	0.05	0.011	U
Acrylonitrile	--	--	--	0.0042	U
Benzene	0.06	4.8	0.06	0.00053	U
Bromobenzene	--	--	--	0.0021	U
Bromochloromethane	--	--	--	0.0021	U
Bromodichloromethane	--	--	--	0.00053	U
Bromoform	--	--	--	0.0042	U
Bromomethane	--	--	--	0.0021	U
Carbon disulfide	--	--	--	0.011	U
Carbon tetrachloride	0.76	2.4	0.76	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00053	U
Chloroethane	--	--	--	0.0021	U
Chloroform	0.37	49	0.37	0.0016	U
Chloromethane	--	--	--	0.0042	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00082	J
cis-1,3-Dichloropropene	--	--	--	0.00053	U
Dibromochloromethane	--	--	--	0.0011	U
Dibromomethane	--	--	--	0.0021	U
Dichlorodifluoromethane	--	--	--	0.011	U
Ethyl ether	--	--	--	0.0021	U
Ethylbenzene	1	41	1	0.0011	U
Hexachlorobutadiene	--	--	--	0.0042	U
Isopropylbenzene	--	--	--	0.0011	U
Methyl tert butyl ether	0.93	100	0.93	0.0021	U
Methylene chloride	0.05	100	0.05	0.0053	U
n-Butylbenzene	12	100	12	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.0011	U
Naphthalene	12	100	12	0.0042	U
o-Chlorotoluene	--	--	--	0.0021	U
o-Xylene	--	--	--	0.0011	U
p-Chlorotoluene	--	--	--	0.0021	U
p-Diethylbenzene	--	--	--	0.0021	U
p-Ethyltoluene	--	--	--	0.0021	U
p-Isopropyltoluene	--	--	--	0.0011	U
p/m-Xylene	--	--	--	0.0021	U
sec-Butylbenzene	11	100	11	0.0011	U
Styrene	--	--	--	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U
Tetrachloroethene	1.3	19	1.3	0.0016	
Toluene	0.7	100	0.7	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U
trans-1,3-Dichloropropene	--	--	--	0.0011	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0053	U
Trichloroethene	0.47	21	0.47	0.0043	
Trichlorofluoromethane	--	--	--	0.0042	U
Vinyl acetate	--	--	--	0.011	U
Vinyl chloride	0.02	0.9	0.02	0.0011	U
Xylenes, Total	0.26	100	1.6	0.0011	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Sample
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-38	
LAB SAMPLE ID				L2402095-01	
DATE				1/12/2024	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)					
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U
2,4-Dinitrophenol	--	--	--	0.88	U
2,4-Dinitrotoluene	--	--	--	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U
2-Chlorophenol	--	--	--	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U
2-Nitroaniline	--	--	--	0.18	U
2-Nitrophenol	--	--	--	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U
3-Nitroaniline	--	--	--	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U
4-Chloroaniline	--	--	--	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U
4-Nitroaniline	--	--	--	0.18	U
4-Nitrophenol	--	--	--	0.26	U
Acenaphthene	20	100	98	0.15	U
Acenaphthylene	100	1000	107	0.15	U
Acetophenone	--	--	--	0.18	U
Anthracene	100	100	1000	0.11	U
Benzo(a)anthracene	1	1	1	0.11	U
Benzo(a)pyrene	1	1	22	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.11	U
Benzo(ghi)perylene	100	100	1000	0.15	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U
Benzoic Acid	--	--	--	0.59	U
Benzyl Alcohol	--	--	--	0.18	U
Biphenyl	--	--	--	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U
Carbazole	--	--	--	0.18	U
Chrysene	1	3.9	1	0.11	U
Di-n-butylphthalate	--	--	--	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U
Dibenzofuran	7	59	210	0.18	U
Diethyl phthalate	--	--	--	0.18	U
Dimethyl phthalate	--	--	--	0.18	U
Fluoranthene	100	100	1000	0.03	J
Fluorene	30	100	386	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U
Hexachloroethane	--	--	--	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.15	U
Isophorone	--	--	--	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U
Naphthalene	12	100	12	0.18	U
NDPA/DPA	--	--	--	0.15	U
Nitrobenzene	--	--	--	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U
Phenanthrene	100	100	1000	0.11	U
Phenol	0.33	100	0.33	0.18	U
Pyrene	100	100	1000	0.028	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Sample
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-38	
LAB SAMPLE ID				L2402095-01	
DATE				1/12/2024	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
Total Metals By EPA Method 6010 (mg/kg)					
Aluminum, Total	--	--	--	8250	
Antimony, Total	--	--	--	4.39	U
Arsenic, Total	13	16	16	1.31	
Barium, Total	350	400	820	52.2	
Beryllium, Total	7.2	72	47	0.492	
Cadmium, Total	2.5	4.3	7.5	0.877	U
Calcium, Total	--	--	--	983	
Chromium, Total*	1	180	--	**10.8**	
Colbalt, Total	--	--	--	3.14	
Copper, Total	50	270	1720	5.53	
Iron, Total	--	--	--	8880	
Lead, Total	63	400	450	6.67	
Magnesium, Total	--	--	--	1480	
Manganese, Total	1600	2000	2000	509	
Mercury, Total	0.18	0.81	0.73	0.071	U
Nickel, Total	30	310	130	7.71	
Potassium, Total	--	--	--	410	
Selenium, Total	3.9	180	4	1.75	U
Silver, Total	2	180	8.3	0.439	U
Sodium, Total	--	--	--	83.8	J
Thallium, Total	--	--	--	1.75	U
Vanadium, Total	--	--	--	10.6	
Zinc, Total	109	10000	2480	19.3	

Table Notes:

--: No guidance value

***:** Total chromium is compared to hexavalent chromium SCOs

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Sample
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-38	
LAB SAMPLE ID				L2402095-01	
DATE				1/12/2024	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
Organochlorine Pesticides by EPA Method 8081					
4,4'-DDD	0.0033	13	14	0.00171	U
4,4'-DDE	0.0033	8.9	17	0.00171	U
4,4'-DDT	0.0033	7.9	136	0.00171	U
Aldrin	0.005	0.097	0.19	0.00171	U
Alpha-BHC	0.02	0.48	0.02	0.000712	U
Beta-BHC	0.036	0.36	0.09	0.00171	U
Chlordane	--	--	--	0.0142	U
cis-Chlordane	0.094	4.2	2.9	0.00214	U
Delta-BHC	0.04	100	0.25	0.00171	U
Dieldrin	0.005	0.2	0.1	0.00107	U
Endosulfan I	2.4	24	102	0.00171	U
Endosulfan II	2.4	24	102	0.00171	U
Endosulfan sulfate	2.4	24	1000	0.000712	U
Endrin	0.014	11	0.06	0.000712	U
Endrin aldehyde	--	--	--	0.00214	U
Endrin ketone	--	--	--	0.00171	U
Heptachlor	0.042	2.1	0.38	0.000854	U
Heptachlor epoxide	--	--	--	0.0032	U
Lindane	0.1	1.3	0.1	0.000712	U
Methoxychlor	--	--	--	0.0032	U
Toxaphene	--	--	--	0.032	U
trans-Chlordane	--	--	--	0.00214	U
Polychlorinated Biphenyls by EPA Method 8082A					
Aroclor 1016	0.1	1	3.2	0.0524	U
Aroclor 1221	0.1	1	3.2	0.0524	U
Aroclor 1232	0.1	1	3.2	0.0524	U
Aroclor 1242	0.1	1	3.2	0.0524	U
Aroclor 1254	0.1	1	3.2	0.0524	U
Aroclor 1260	0.1	1	3.2	0.0524	U
Aroclor 1262	0.1	1	3.2	0.0524	U
Aroclor 1268	0.1	1	3.2	0.0524	U
PCBs, Total	0.1	1	3.2	0.0524	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

JOB: L2402095 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1060: Metals Serial Dilution Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5200: Glossary - OK
5400: References - OK

No results found for sample L2402095-02 for product A2-1,4-DIOXANE-SIM

ANALYTICAL REPORT

Lab Number:	L2402095
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101E 150TH
Project Number:	41.0163097.00
Report Date:	01/19/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2402095-01	EP-38 (5' BGS)	SOIL	101 E.150TH ST., BRONX, NY	01/12/24 11:00	01/12/24
L2402095-02	FB-2024-1-12	WATER	101 E.150TH ST., BRONX, NY	01/12/24 11:15	01/12/24
L2402095-03	TB-2024-1-12	WATER	101 E.150TH ST., BRONX, NY	01/12/24 11:20	01/12/24

Project Name:	SA 101E 150TH	**Lab Number:**	L2402095
Project Number:	41.0163097.00	**Report Date:**	01/19/24

Case Narrative

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

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

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

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

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

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

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Case Narrative (continued)

Report Submission

January 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.

Sample Receipt

L2402095-02: The sample was received above the appropriate pH for the Total Metals analysis. The laboratory added additional HNO3 to a pH <2.

Semivolatile Organics by SIM

L2402095-02 The Field Blank has a result for Naphthalene present above the reporting limit; however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analyses are reported.

PCBs

L2402095-02: The sample has elevated detection limits due to limited sample volume available for analysis.

Pesticides

L2402095-02: The sample has elevated detection limits due to limited sample volume available for analysis.

Total Metals

L2402095-01: 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: Cristin Walker

Title: Technical Director/Representative Date: 01/19/24

ORGANICS

VOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:00
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 01/17/24 17:32
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	0.48	J	ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	1.6		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	1.5		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.2	0.99	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101E 150TH **Lab Number:** L2402095

Project Number: 41.0163097.00 **Report Date:** 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01 Date Collected: 01/12/24 11:00

Client ID: EP-38 (5' BGS) Date Received: 01/12/24

Sample Location: 101 E.150TH ST., 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	4.3		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.82	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.82	J	ug/kg	1.1	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.97	1
Acetone	ND		ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.8	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.2	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	4.2	0.69	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:00
Date Received: 01/12/24
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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	7.27	J	ug/kg			1
Unknown	7.27	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	109		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/15/24 12:34
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH **Lab Number:** L2402095

Project Number: 41.0163097.00 **Report Date:** 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02 Date Collected: 01/12/24 11:15

Client ID: FB-2024-1-12 Date Received: 01/12/24

Sample Location: 101 E.150TH ST., 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	109		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-03
Client ID: TB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:20
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 01/15/24 12:59
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101E 150TH **Lab Number:** L2402095

Project Number: 41.0163097.00 **Report Date:** 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-03 Date Collected: 01/12/24 11:20

Client ID: TB-2024-1-12 Date Received: 01/12/24

Sample Location: 101 E.150TH ST., 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-03
Client ID: TB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:20
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	109		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1874625-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1874625-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1874625-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/15/24 08:22
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 02-03 Batch: WG1874625-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	106		70-130

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 09:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1875287-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.38	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	0.96	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 09:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1875287-5					
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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 09:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1875287-5					
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	9.88	J	ug/kg
Unknown	2.18	J	ug/kg
Unknown	7.70	J	ug/kg

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 01/17/24 09:50
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1875287-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	111		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1874625-3 WG1874625-4								
Methylene chloride	94		93		70-130	1		20
1,1-Dichloroethane	98		95		70-130	3		20
Chloroform	96		96		70-130	0		20
Carbon tetrachloride	99		96		63-132	3		20
1,2-Dichloropropane	96		94		70-130	2		20
Dibromochloromethane	94		93		63-130	1		20
1,1,2-Trichloroethane	97		96		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		98		75-130	2		20
Trichlorofluoromethane	110		100		62-150	10		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	100		98		67-130	2		20
Bromodichloromethane	94		92		67-130	2		20
trans-1,3-Dichloropropene	87		87		70-130	0		20
cis-1,3-Dichloropropene	93		93		70-130	0		20
1,1-Dichloropropene	98		97		70-130	1		20
Bromoform	85		87		54-136	2		20
1,1,2,2-Tetrachloroethane	94		96		67-130	2		20
Benzene	98		96		70-130	2		20
Toluene	100		97		70-130	3		20
Ethylbenzene	100		96		70-130	4		20
Chloromethane	89		87		64-130	2		20
Bromomethane	110		110		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1874625-3 WG1874625-4								
Vinyl chloride	91		88		55-140	3		20
Chloroethane	130		120		55-138	8		20
1,1-Dichloroethene	96		98		61-145	2		20
trans-1,2-Dichloroethene	100		97		70-130	3		20
Trichloroethene	92		90		70-130	2		20
1,2-Dichlorobenzene	95		96		70-130	1		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	96		95		70-130	1		20
Methyl tert butyl ether	90		92		63-130	2		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	99		96		70-130	3		20
Dibromomethane	93		94		70-130	1		20
1,2,3-Trichloropropane	88		92		64-130	4		20
Acrylonitrile	84		87		70-130	4		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	68		65		36-147	5		20
Acetone	76		82		58-148	8		20
Carbon disulfide	96		99		51-130	3		20
2-Butanone	78		79		63-138	1		20
Vinyl acetate	120		130		70-130	8		20
4-Methyl-2-pentanone	77		78		59-130	1		20
2-Hexanone	70		74		57-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1874625-3 WG1874625-4								
Bromochloromethane	100		99		70-130	1		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	97		96		70-130	1		20
1,3-Dichloropropane	95		96		70-130	1		20
1,1,1,2-Tetrachloroethane	95		95		64-130	0		20
Bromobenzene	97		95		70-130	2		20
n-Butylbenzene	90		88		53-136	2		20
sec-Butylbenzene	98		96		70-130	2		20
tert-Butylbenzene	96		94		70-130	2		20
o-Chlorotoluene	96		94		70-130	2		20
p-Chlorotoluene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	85		89		41-144	5		20
Hexachlorobutadiene	88		87		63-130	1		20
Isopropylbenzene	96		95		70-130	1		20
p-Isopropyltoluene	92		89		70-130	3		20
Naphthalene	88		91		70-130	3		20
n-Propylbenzene	97		94		69-130	3		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	96		94		64-130	2		20
1,2,4-Trimethylbenzene	88		86		70-130	2		20
1,4-Dioxane	80		82		56-162	2		20
p-Diethylbenzene	87		85		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 02-03 Batch: WG1874625-3 WG1874625-4								
p-Ethyltoluene	98		96		70-130	2		20
1,2,4,5-Tetramethylbenzene	84		84		70-130	0		20
Ethyl ether	100		95		59-134	5		20
trans-1,4-Dichloro-2-butene	82		86		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

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 Batch: WG1875287-3 WG1875287-4								
Methylene chloride	95		92		70-130	3		30
1,1-Dichloroethane	103		100		70-130	3		30
Chloroform	97		95		70-130	2		30
Carbon tetrachloride	100		96		70-130	4		30
1,2-Dichloropropane	105		106		70-130	1		30
Dibromochloromethane	101		101		70-130	0		30
1,1,2-Trichloroethane	98		99		70-130	1		30
Tetrachloroethene	104		101		70-130	3		30
Chlorobenzene	108		109		70-130	1		30
Trichlorofluoromethane	98		95		70-139	3		30
1,2-Dichloroethane	81		80		70-130	1		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	96		94		70-130	2		30
trans-1,3-Dichloropropene	91		93		70-130	2		30
cis-1,3-Dichloropropene	93		94		70-130	1		30
1,1-Dichloropropene	102		100		70-130	2		30
Bromoform	93		98		70-130	5		30
1,1,2,2-Tetrachloroethane	99		101		70-130	2		30
Benzene	106		104		70-130	2		30
Toluene	103		102		70-130	1		30
Ethylbenzene	106		105		70-130	1		30
Chloromethane	125		122		52-130	2		30
Bromomethane	114		112		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

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 Batch: WG1875287-3 WG1875287-4								
Vinyl chloride	124		117		67-130	6		30
Chloroethane	122		117		50-151	4		30
1,1-Dichloroethene	107		105		65-135	2		30
trans-1,2-Dichloroethene	104		101		70-130	3		30
Trichloroethene	105		102		70-130	3		30
1,2-Dichlorobenzene	109		112		70-130	3		30
1,3-Dichlorobenzene	113		115		70-130	2		30
1,4-Dichlorobenzene	110		112		70-130	2		30
Methyl tert butyl ether	77		78		66-130	1		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	103		104		70-130	1		30
cis-1,2-Dichloroethene	104		105		70-130	1		30
Dibromomethane	104		100		70-130	4		30
Styrene	104		103		70-130	1		30
Dichlorodifluoromethane	93		89		30-146	4		30
Acetone	90		85		54-140	6		30
Carbon disulfide	99		95		59-130	4		30
2-Butanone	97		101		70-130	4		30
Vinyl acetate	111		111		70-130	0		30
4-Methyl-2-pentanone	83		86		70-130	4		30
1,2,3-Trichloropropane	94		96		68-130	2		30
2-Hexanone	81		85		70-130	5		30
Bromochloromethane	112		108		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

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 Batch: WG1875287-3 WG1875287-4								
2,2-Dichloropropane	93		90		70-130	3		30
1,2-Dibromoethane	101		101		70-130	0		30
1,3-Dichloropropane	93		95		69-130	2		30
1,1,1,2-Tetrachloroethane	103		105		70-130	2		30
Bromobenzene	105		107		70-130	2		30
n-Butylbenzene	111		112		70-130	1		30
sec-Butylbenzene	107		108		70-130	1		30
tert-Butylbenzene	109		111		70-130	2		30
o-Chlorotoluene	107		105		70-130	2		30
p-Chlorotoluene	106		106		70-130	0		30
1,2-Dibromo-3-chloropropane	93		102		68-130	9		30
Hexachlorobutadiene	96		99		67-130	3		30
Isopropylbenzene	96		100		70-130	4		30
p-Isopropyltoluene	106		109		70-130	3		30
Naphthalene	101		106		70-130	5		30
Acrylonitrile	100		99		70-130	1		30
n-Propylbenzene	112		112		70-130	0		30
1,2,3-Trichlorobenzene	106		107		70-130	1		30
1,2,4-Trichlorobenzene	108		110		70-130	2		30
1,3,5-Trimethylbenzene	107		109		70-130	2		30
1,2,4-Trimethylbenzene	110		111		70-130	1		30
1,4-Dioxane	91		95		65-136	4		30
p-Diethylbenzene	118		119		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

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 Batch: WG1875287-3 WG1875287-4								
p-Ethyltoluene	112		113		70-130	1		30
1,2,4,5-Tetramethylbenzene	102		103		70-130	1		30
Ethyl ether	101		101		67-130	0		30
trans-1,4-Dichloro-2-butene	98		99		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		76		70-130
Toluene-d8	96		96		70-130
4-Bromofluorobenzene	94		90		70-130
Dibromofluoromethane	102		99		70-130

SEMIVOLATILES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:00
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 01/17/24 07:34
Analyst: ALS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/16/24 01:15

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	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	30	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	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: SA 101E 150TH **Lab Number:** L2402095

Project Number: 41.0163097.00 **Report Date:** 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01 Date Collected: 01/12/24 11:00

Client ID: EP-38 (5' BGS) Date Received: 01/12/24

Sample Location: 101 E.150TH ST., 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	150	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		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	21.	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	25.	1
Pyrene	28	J	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	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: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:00
Date Received: 01/12/24
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	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	83		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	80		18-120

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 01/15/24 21:35
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	128	J	ug/l			1
Unknown	2.04	J	ug/l			1
Unknown	2.07	J	ug/l			1
Unknown	2.14	J	ug/l			1
Unknown	2.94	J	ug/l			1
Unknown	3.42	J	ug/l			1
Unknown	5.49	J	ug/l			1
Unknown	24.1	J	ug/l			1
Unknown Organic Acid	7.78	J	ug/l			1
Unknown	2.87	J	ug/l			1
Unknown	4.36	J	ug/l			1
Unknown	4.87	J	ug/l			1
Unknown	2.94	J	ug/l			1
Unknown	2.33	J	ug/l			1
Unknown	3.45	J	ug/l			1
Unknown	10.1	J	ug/l			1
Unknown	12.7	J	ug/l			1
Unknown Organic Acid	5.93	J	ug/l			1
Unknown	3.71	J	ug/l			1
Unknown	2.29	J	ug/l			1
Unknown	22.4	J	ug/l			1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
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	73		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	84		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 01/15/24 15:49
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.02	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.62		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	0.01	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.04	J	ug/l	0.10	0.01	1
Phenanthrene	0.06	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	0.02	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	0.07	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
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	63		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	83		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/15/24 14:29
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1874111-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/15/24 14:29
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1874111-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/15/24 14:29
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1874111-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	78.3	J	ug/l
Unknown	2.65	J	ug/l
Unknown	4.22	J	ug/l
Unknown	21.8	J	ug/l
Unknown	1.53	J	ug/l
Unknown	2.36	J	ug/l
Unknown Cycloalkane	18.8	J	ug/l
Unknown	2.94	J	ug/l
Unknown	8.47	J	ug/l
Unknown	2.29	J	ug/l
Unknown	4.40	J	ug/l

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/15/24 14:29
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1874111-1					
Tentatively Identified Compounds					
Unknown	1.96	J	ug/l		
Unknown	2.18	J	ug/l		
Unknown	1.78	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	65		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/15/24 08:56
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1874112-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.03	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	0.02	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.03	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.02	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	0.03	J	ug/l	0.10	0.01
Benzo(ghi)perylene	0.03	J	ug/l	0.10	0.01
Fluorene	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.04	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.04	J	ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.03	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 01/15/24 08:56
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 01/14/24 09:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1874112-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	62		41-149

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/16/24 11:08
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 01/15/24 17:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1874574-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/16/24 11:08
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 01/15/24 17:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1874574-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 01/16/24 11:08
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 01/15/24 17:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1874574-1					
4-Nitrophenol	ND		ug/kg	230	66.
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	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	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	94		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	95		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1874111-2 WG1874111-3								
Acenaphthene	65		60		37-111	8		30
1,2,4-Trichlorobenzene	60		54		39-98	11		30
Hexachlorobenzene	78		67		40-140	15		30
Bis(2-chloroethyl)ether	68		59		40-140	14		30
2-Chloronaphthalene	67		60		40-140	11		30
1,2-Dichlorobenzene	59		50		40-140	17		30
1,3-Dichlorobenzene	55		51		40-140	8		30
1,4-Dichlorobenzene	55		53		36-97	4		30
3,3'-Dichlorobenzidine	64		59		40-140	8		30
2,4-Dinitrotoluene	85		81		48-143	5		30
2,6-Dinitrotoluene	80		73		40-140	9		30
Fluoranthene	73		65		40-140	12		30
4-Chlorophenyl phenyl ether	73		64		40-140	13		30
4-Bromophenyl phenyl ether	78		70		40-140	11		30
Bis(2-chloroisopropyl)ether	54		49		40-140	10		30
Bis(2-chloroethoxy)methane	70		62		40-140	12		30
Hexachlorobutadiene	57		52		40-140	9		30
Hexachlorocyclopentadiene	52		51		40-140	2		30
Hexachloroethane	53		50		40-140	6		30
Isophorone	72		64		40-140	12		30
Naphthalene	67		60		40-140	11		30
Nitrobenzene	81		69		40-140	16		30
NDPA/DPA	74		67		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1874111-2 WG1874111-3								
n-Nitrosodi-n-propylamine	74		64		29-132	14		30
Bis(2-ethylhexyl)phthalate	62		58		40-140	7		30
Butyl benzyl phthalate	65		60		40-140	8		30
Di-n-butylphthalate	59		54		40-140	9		30
Di-n-octylphthalate	66		62		40-140	6		30
Diethyl phthalate	71		65		40-140	9		30
Dimethyl phthalate	75		66		40-140	13		30
Benzo(a)anthracene	74		69		40-140	7		30
Benzo(a)pyrene	86		83		40-140	4		30
Benzo(b)fluoranthene	82		81		40-140	1		30
Benzo(k)fluoranthene	75		74		40-140	1		30
Chrysene	74		68		40-140	8		30
Acenaphthylene	70		64		45-123	9		30
Anthracene	68		61		40-140	11		30
Benzo(ghi)perylene	89		81		40-140	9		30
Fluorene	71		60		40-140	17		30
Phenanthrene	67		61		40-140	9		30
Dibenzo(a,h)anthracene	85		81		40-140	5		30
Indeno(1,2,3-cd)pyrene	81		76		40-140	6		30
Pyrene	71		67		26-127	6		30
Biphenyl	66		58		40-140	13		30
4-Chloroaniline	80		73		40-140	9		30
2-Nitroaniline	87		77		52-143	12		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1874111-2 WG1874111-3								
3-Nitroaniline	78		74		25-145	5		30
4-Nitroaniline	82		77		51-143	6		30
Dibenzofuran	69		62		40-140	11		30
2-Methylnaphthalene	67		61		40-140	9		30
1,2,4,5-Tetrachlorobenzene	67		60		2-134	11		30
Acetophenone	70		64		39-129	9		30
2,4,6-Trichlorophenol	86		78		30-130	10		30
p-Chloro-m-cresol	82		73		23-97	12		30
2-Chlorophenol	72		64		27-123	12		30
2,4-Dichlorophenol	78		69		30-130	12		30
2,4-Dimethylphenol	66		57		30-130	15		30
2-Nitrophenol	90		79		30-130	13		30
4-Nitrophenol	**87**	Q	**82**	Q	10-80	6		30
2,4-Dinitrophenol	72		77		20-130	7		30
4,6-Dinitro-o-cresol	102		97		20-164	5		30
Pentachlorophenol	76		68		9-103	11		30
Phenol	59		53		12-110	11		30
2-Methylphenol	74		64		30-130	14		30
3-Methylphenol/4-Methylphenol	80		73		30-130	9		30
2,4,5-Trichlorophenol	88		79		30-130	11		30
Benzoic Acid	34		34		10-164	0		30
Benzyl Alcohol	73		65		26-116	12		30
Carbazole	68		62		55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1874111-2 WG1874111-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		59		21-120
Phenol-d6	61		51		10-120
Nitrobenzene-d5	84		71		23-120
2-Fluorobiphenyl	73		59		15-120
2,4,6-Tribromophenol	81		76		10-120
4-Terphenyl-d14	67		64		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1874112-2 WG1874112-3								
Acenaphthene	69		62		40-140	11		40
2-Chloronaphthalene	62		54		40-140	14		40
Fluoranthene	71		64		40-140	10		40
Hexachlorobutadiene	46		42		40-140	9		40
Naphthalene	63		57		40-140	10		40
Benzo(a)anthracene	84		78		40-140	7		40
Benzo(a)pyrene	67		62		40-140	8		40
Benzo(b)fluoranthene	72		67		40-140	7		40
Benzo(k)fluoranthene	63		60		40-140	5		40
Chrysene	75		68		40-140	10		40
Acenaphthylene	70		62		40-140	12		40
Anthracene	73		68		40-140	7		40
Benzo(ghi)perylene	74		68		40-140	8		40
Fluorene	75		68		40-140	10		40
Phenanthrene	71		65		40-140	9		40
Dibenzo(a,h)anthracene	71		65		40-140	9		40
Indeno(1,2,3-cd)pyrene	72		66		40-140	9		40
Pyrene	69		62		40-140	11		40
2-Methylnaphthalene	61		54		40-140	12		40
Pentachlorophenol	62		57		40-140	8		40
Hexachlorobenzene	61		54		40-140	12		40
Hexachloroethane	52		47		40-140	10		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1874112-2 WG1874112-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		58		21-120
Phenol-d6	58		53		10-120
Nitrobenzene-d5	83		73		23-120
2-Fluorobiphenyl	67		54		15-120
2,4,6-Tribromophenol	79		71		10-120
4-Terphenyl-d14	64		58		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1874574-2 WG1874574-3								
Acenaphthene	94		89		31-137	5		50
1,2,4-Trichlorobenzene	90		82		38-107	9		50
Hexachlorobenzene	94		89		40-140	5		50
Bis(2-chloroethyl)ether	97		90		40-140	7		50
2-Chloronaphthalene	93		85		40-140	9		50
1,2-Dichlorobenzene	89		81		40-140	9		50
1,3-Dichlorobenzene	87		79		40-140	10		50
1,4-Dichlorobenzene	87		78		28-104	11		50
3,3'-Dichlorobenzidine	65		60		40-140	8		50
2,4-Dinitrotoluene	93		87		40-132	7		50
2,6-Dinitrotoluene	107		96		40-140	11		50
Fluoranthene	102		93		40-140	9		50
4-Chlorophenyl phenyl ether	95		91		40-140	4		50
4-Bromophenyl phenyl ether	96		92		40-140	4		50
Bis(2-chloroisopropyl)ether	106		99		40-140	7		50
Bis(2-chloroethoxy)methane	99		95		40-117	4		50
Hexachlorobutadiene	89		84		40-140	6		50
Hexachlorocyclopentadiene	109		104		40-140	5		50
Hexachloroethane	94		86		40-140	9		50
Isophorone	104		99		40-140	5		50
Naphthalene	89		83		40-140	7		50
Nitrobenzene	106		100		40-140	6		50
NDPA/DPA	94		87		36-157	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1874574-2 WG1874574-3								
n-Nitrosodi-n-propylamine	103		99		32-121	4		50
Bis(2-ethylhexyl)phthalate	91		84		40-140	8		50
Butyl benzyl phthalate	105		94		40-140	11		50
Di-n-butylphthalate	110		101		40-140	9		50
Di-n-octylphthalate	91		85		40-140	7		50
Diethyl phthalate	97		89		40-140	9		50
Dimethyl phthalate	95		85		40-140	11		50
Benzo(a)anthracene	99		91		40-140	8		50
Benzo(a)pyrene	95		88		40-140	8		50
Benzo(b)fluoranthene	97		91		40-140	6		50
Benzo(k)fluoranthene	95		89		40-140	7		50
Chrysene	93		85		40-140	9		50
Acenaphthylene	92		82		40-140	11		50
Anthracene	98		90		40-140	9		50
Benzo(ghi)perylene	99		90		40-140	10		50
Fluorene	92		86		40-140	7		50
Phenanthrene	92		85		40-140	8		50
Dibenzo(a,h)anthracene	101		91		40-140	10		50
Indeno(1,2,3-cd)pyrene	104		94		40-140	10		50
Pyrene	100		92		35-142	8		50
Biphenyl	92		83		37-127	10		50
4-Chloroaniline	87		79		40-140	10		50
2-Nitroaniline	107		96		47-134	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1874574-2 WG1874574-3								
3-Nitroaniline	77		73		26-129	5		50
4-Nitroaniline	100		93		41-125	7		50
Dibenzofuran	91		86		40-140	6		50
2-Methylnaphthalene	90		85		40-140	6		50
1,2,4,5-Tetrachlorobenzene	93		87		40-117	7		50
Acetophenone	102		96		14-144	6		50
2,4,6-Trichlorophenol	104		97		30-130	7		50
p-Chloro-m-cresol	102		99		26-103	3		50
2-Chlorophenol	102		94		25-102	8		50
2,4-Dichlorophenol	103		97		30-130	6		50
2,4-Dimethylphenol	119		113		30-130	5		50
2-Nitrophenol	119		111		30-130	7		50
4-Nitrophenol	114		105		11-114	8		50
2,4-Dinitrophenol	80		76		4-130	5		50
4,6-Dinitro-o-cresol	102		99		10-130	3		50
Pentachlorophenol	95		92		17-109	3		50
Phenol	**104**	Q	**96**	Q	26-90	8		50
2-Methylphenol	107		100		30-130.	7		50
3-Methylphenol/4-Methylphenol	106		102		30-130	4		50
2,4,5-Trichlorophenol	104		93		30-130	11		50
Benzoic Acid	20		18		10-110	11		50
Benzyl Alcohol	107		102		40-140	5		50
Carbazole	94		88		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1874574-2 WG1874574-3								
1,4-Dioxane	63		59		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	100		90		25-120
Phenol-d6	101		92		10-120
Nitrobenzene-d5	99		94		23-120
2-Fluorobiphenyl	83		74		30-120
2,4,6-Tribromophenol	99		93		10-136
4-Terphenyl-d14	92		82		18-120

PCBS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:00
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 01/16/24 07:58
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/15/24 21:55
Cleanup Method: EPA 3665A
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.4	4.65	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	7.06	1	A
Aroclor 1248	ND		ug/kg	52.4	7.86	1	A
Aroclor 1254	ND		ug/kg	52.4	5.73	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	4.65	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 01/17/24 11:12
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 01/15/24 23:26
Cleanup Method: EPA 3665A
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.116	0.099	1	A
Aroclor 1221	ND		ug/l	0.116	0.099	1	A
Aroclor 1232	ND		ug/l	0.116	0.099	1	A
Aroclor 1242	ND		ug/l	0.116	0.099	1	A
Aroclor 1248	ND		ug/l	0.116	0.099	1	A
Aroclor 1254	ND		ug/l	0.116	0.099	1	A
Aroclor 1260	ND		ug/l	0.116	0.099	1	A
Aroclor 1262	ND		ug/l	0.116	0.099	1	A
Aroclor 1268	ND		ug/l	0.116	0.099	1	A
PCBs, Total	ND		ug/l	0.116	0.099	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/16/24 07:21
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 01/15/24 21:55
Cleanup Method: EPA 3665A
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1874620-1						
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	68		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 01/17/24 10:16
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 01/15/24 23:24
Cleanup Method: EPA 3665A
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02 Batch: WG1874636-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	36		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	39		30-150	B
Decachlorobiphenyl	52		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1874620-2 WG1874620-3									
Aroclor 1016	100		114		40-140	13		50	A
Aroclor 1260	101		116		40-140	14		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		74		30-150	A
Decachlorobiphenyl	65		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		72		30-150	B
Decachlorobiphenyl	64		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02 Batch: WG1874636-2 WG1874636-3									
Aroclor 1016	51		51		40-140	1		50	A
Aroclor 1260	47		48		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		52		30-150	A
Decachlorobiphenyl	48		49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		54		30-150	B
Decachlorobiphenyl	59		62		30-150	B

PESTICIDES

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:00
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 01/16/24 15:19
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 01/15/24 20:18
Cleanup Method: EPA 3620B
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/24

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	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	ND		ug/kg	1.71	0.395	1	A
4,4'-DDD	ND		ug/kg	1.71	0.609	1	A
4,4'-DDT	ND		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	8.97	1	A
cis-Chlordane	ND		ug/kg	2.14	0.595	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:00
Date Received: 01/12/24
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	62		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:15
Date Received: 01/12/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 01/16/24 23:06
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 01/16/24 01:39

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.017	0.004	1	A
Lindane	ND		ug/l	0.017	0.004	1	A
Alpha-BHC	ND		ug/l	0.017	0.004	1	A
Beta-BHC	ND		ug/l	0.017	0.005	1	A
Heptachlor	ND		ug/l	0.017	0.003	1	A
Aldrin	ND		ug/l	0.017	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.017	0.004	1	A
Endrin	ND		ug/l	0.034	0.004	1	A
Endrin aldehyde	ND		ug/l	0.034	0.007	1	A
Endrin ketone	ND		ug/l	0.034	0.004	1	A
Dieldrin	ND		ug/l	0.034	0.004	1	A
4,4'-DDE	ND		ug/l	0.034	0.003	1	A
4,4'-DDD	ND		ug/l	0.034	0.004	1	A
4,4'-DDT	ND		ug/l	0.034	0.004	1	A
Endosulfan I	ND		ug/l	0.017	0.003	1	A
Endosulfan II	ND		ug/l	0.034	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.034	0.004	1	A
Methoxychlor	ND		ug/l	0.169	0.006	1	A
Toxaphene	ND		ug/l	0.169	0.053	1	A
cis-Chlordane	ND		ug/l	0.017	0.006	1	A
trans-Chlordane	ND		ug/l	0.017	0.005	1	A
Chlordane	ND		ug/l	0.169	0.039	1	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
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	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/24 13:55
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 01/15/24 20:18
Cleanup Method: EPA 3620B
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1874605-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	1.53	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/24 13:55
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 01/15/24 20:18
Cleanup Method: EPA 3620B
Cleanup Date: 01/16/24
Cleanup Method: EPA 3660B
Cleanup Date: 01/16/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1874605-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/24 22:28
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 01/16/24 01:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1874656-1						
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: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 01/16/24 22:28
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 01/16/24 01:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02 Batch: WG1874656-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1874605-2 WG1874605-3									
Delta-BHC	89		89		30-150	0		30	A
Lindane	91		90		30-150	1		30	A
Alpha-BHC	92		90		30-150	2		30	A
Beta-BHC	97		96		30-150	1		30	A
Heptachlor	88		88		30-150	0		30	A
Aldrin	86		86		30-150	0		30	A
Heptachlor epoxide	75		72		30-150	4		30	A
Endrin	91		92		30-150	1		30	A
Endrin aldehyde	81		82		30-150	1		30	A
Endrin ketone	91		96		30-150	5		30	A
Dieldrin	93		95		30-150	2		30	A
4,4'-DDE	87		86		30-150	1		30	A
4,4'-DDD	94		96		30-150	2		30	A
4,4'-DDT	88		90		30-150	2		30	A
Endosulfan I	83		85		30-150	2		30	A
Endosulfan II	91		93		30-150	2		30	A
Endosulfan sulfate	90		92		30-150	2		30	A
Methoxychlor	97		101		30-150	4		30	A
cis-Chlordane	81		81		30-150	0		30	A
trans-Chlordane	95		93		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1874605-2 WG1874605-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		84		30-150	A
Decachlorobiphenyl	95		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		99		30-150	B
Decachlorobiphenyl	89		94		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1874656-2 WG1874656-3									
Delta-BHC	87		90		30-150	4		20	A
Lindane	83		85		30-150	1		20	A
Alpha-BHC	86		85		30-150	1		20	A
Beta-BHC	99		103		30-150	4		20	A
Heptachlor	82		83		30-150	1		20	A
Aldrin	67		68		30-150	1		20	A
Heptachlor epoxide	90		95		30-150	5		20	A
Endrin	85		91		30-150	7		20	A
Endrin aldehyde	77		85		30-150	10		20	A
Endrin ketone	88		96		30-150	9		20	A
Dieldrin	88		94		30-150	6		20	A
4,4'-DDE	79		85		30-150	7		20	A
4,4'-DDD	89		95		30-150	7		20	A
4,4'-DDT	85		92		30-150	8		20	A
Endosulfan I	92		94		30-150	2		20	A
Endosulfan II	85		92		30-150	7		20	A
Endosulfan sulfate	80		86		30-150	8		20	A
Methoxychlor	107		114		30-150	6		20	A
cis-Chlordane	83		87		30-150	5		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1874656-2 WG1874656-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		66		30-150	A
Decachlorobiphenyl	50		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		62		30-150	B
Decachlorobiphenyl	60		69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02 Batch: WG1874656-2 WG1874656-3									
trans-Chlordane	78		84		30-150	7		20	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		66		30-150	A
Decachlorobiphenyl	50		56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		62		30-150	B
Decachlorobiphenyl	60		69		30-150	B

METALS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:00
Date Received: 01/12/24
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	8250		mg/kg	8.77	2.37	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.39	0.333	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.31		mg/kg	0.877	0.182	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Barium, Total	52.2		mg/kg	0.877	0.153	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.492		mg/kg	0.439	0.029	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.877	0.086	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Calcium, Total	983		mg/kg	8.77	3.07	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Chromium, Total	10.8		mg/kg	0.877	0.084	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.14		mg/kg	1.75	0.146	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Copper, Total	5.53		mg/kg	0.877	0.226	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Iron, Total	8880		mg/kg	4.39	0.792	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Lead, Total	6.67		mg/kg	4.39	0.235	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Magnesium, Total	1480		mg/kg	8.77	1.35	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Manganese, Total	509		mg/kg	0.877	0.140	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.071	0.046	1	01/16/24 08:30	01/18/24 17:33	EPA 7471B	1,7471B	GMG
Nickel, Total	7.71		mg/kg	2.19	0.212	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Potassium, Total	410		mg/kg	219	12.6	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.75	0.226	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.439	0.248	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Sodium, Total	83.8	J	mg/kg	175	2.76	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.75	0.276	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Vanadium, Total	10.6		mg/kg	0.877	0.178	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC
Zinc, Total	19.3		mg/kg	4.39	0.257	2	01/16/24 06:15	01/16/24 16:47	EPA 3050B	1,6010D	DMC

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-02
Client ID: FB-2024-1-12
Sample Location: 101 E.150TH ST., BRONX, NY
Date Collected: 01/12/24 11:15
Date Received: 01/12/24
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	ND		mg/l	0.100	0.0318	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Antimony, Total	ND		mg/l	0.0500	0.0071	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Barium, Total	ND		mg/l	0.0100	0.0021	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Calcium, Total	0.0596	J	mg/l	0.100	0.0350	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Chromium, Total	ND		mg/l	0.0100	0.0021	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Copper, Total	ND		mg/l	0.0100	0.0022	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Iron, Total	ND		mg/l	0.0500	0.0090	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Lead, Total	ND		mg/l	0.0100	0.0027	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Magnesium, Total	ND		mg/l	0.100	0.0153	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Manganese, Total	ND		mg/l	0.0100	0.0016	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/16/24 08:01	01/18/24 15:36	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Potassium, Total	0.360	J	mg/l	2.50	0.237	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Selenium, Total	ND		mg/l	0.0100	0.0035	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Silver, Total	ND		mg/l	0.0070	0.0028	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Sodium, Total	1.58	J	mg/l	2.00	0.120	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Thallium, Total	ND		mg/l	0.0200	0.0025	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC
Zinc, Total	0.0177	J	mg/l	0.0500	0.0021	1	01/16/24 06:45	01/16/24 13:23	EPA 3005A	1,6010D	DMC

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

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): 02 Batch: WG1874560-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Antimony, Total	ND		mg/l	0.0500	0.0071	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Barium, Total	ND		mg/l	0.0100	0.0021	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Calcium, Total	ND		mg/l	0.100	0.0350	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Chromium, Total	ND		mg/l	0.0100	0.0021	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Copper, Total	ND		mg/l	0.0100	0.0022	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Iron, Total	ND		mg/l	0.0500	0.0090	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Lead, Total	ND		mg/l	0.0100	0.0027	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Magnesium, Total	ND		mg/l	0.100	0.0153	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Manganese, Total	ND		mg/l	0.0100	0.0016	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Nickel, Total	ND		mg/l	0.0250	0.0024	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Potassium, Total	ND		mg/l	2.50	0.237	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Selenium, Total	ND		mg/l	0.0100	0.0035	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Silver, Total	ND		mg/l	0.0070	0.0028	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Sodium, Total	ND		mg/l	2.00	0.120	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Thallium, Total	ND		mg/l	0.0200	0.0025	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC
Zinc, Total	0.0024	J	mg/l	0.0500	0.0021	1	01/16/24 06:45	01/16/24 13:10	1,6010D	DMC

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): 02 Batch: WG1874564-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	01/16/24 08:01	01/18/24 15:10	1,7470A	GMG

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

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 Batch: WG1874673-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Chromium, Total	0.151	J	mg/kg	0.400	0.038	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Iron, Total	1.17	J	mg/kg	2.00	0.361	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	01/16/24 06:15	01/16/24 16:24	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101E 150TH
Project Number: 41.0163097.00
Lab Number: L2402095
Report Date: 01/19/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1874675-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	01/16/24 08:30	01/18/24 17:10	1,7471B	GMG

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1874560-2								
Aluminum, Total	107		-		80-120	-		
Antimony, Total	102		-		80-120	-		
Arsenic, Total	103		-		80-120	-		
Barium, Total	106		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	103		-		80-120	-		
Calcium, Total	107		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	108		-		80-120	-		
Lead, Total	109		-		80-120	-		
Magnesium, Total	112		-		80-120	-		
Manganese, Total	103		-		80-120	-		
Nickel, Total	104		-		80-120	-		
Potassium, Total	112		-		80-120	-		
Selenium, Total	107		-		80-120	-		
Silver, Total	103		-		80-120	-		
Sodium, Total	112		-		80-120	-		
Thallium, Total	111		-		80-120	-		
Vanadium, Total	101		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1874560-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 02 Batch: WG1874564-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1874673-2 SRM Lot Number: D122-540					
Aluminum, Total	78	-	52-148	-	
Antimony, Total	177	-	6-194	-	
Arsenic, Total	102	-	81-119	-	
Barium, Total	97	-	83-117	-	
Beryllium, Total	99	-	83-117	-	
Cadmium, Total	95	-	83-117	-	
Calcium, Total	95	-	83-117	-	
Chromium, Total	99	-	82-118	-	
Cobalt, Total	100	-	84-117	-	
Copper, Total	96	-	84-116	-	
Iron, Total	92	-	65-135	-	
Lead, Total	105	-	83-117	-	
Magnesium, Total	91	-	80-120	-	
Manganese, Total	96	-	82-118	-	
Nickel, Total	100	-	83-117	-	
Potassium, Total	89	-	76-123	-	
Selenium, Total	104	-	81-119	-	
Silver, Total	101	-	80-120	-	
Sodium, Total	102	-	75-125	-	
Thallium, Total	100	-	81-119	-	
Vanadium, Total	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1874673-2 SRM Lot Number: D122-540					
Zinc, Total	96	-	82-119	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1874675-2 SRM Lot Number: D122-540					
Mercury, Total	101	-	73-127	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

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): 02 QC Batch ID: WG1874560-3 QC Sample: L2401829-01 Client ID: MS Sample												
Aluminum, Total	ND	2	2.18	109		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.567	113		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.136	113		-	-		75-125	-		20
Barium, Total	0.379	2	2.54	108		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0557	111		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0570	108		-	-		75-125	-		20
Calcium, Total	8.65	10	19.5	108		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.215	108		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.534	107		-	-		75-125	-		20
Copper, Total	0.008J	0.25	0.266	106		-	-		75-125	-		20
Iron, Total	0.020J	1	1.11	111		-	-		75-125	-		20
Lead, Total	ND	0.53	0.585	110		-	-		75-125	-		20
Magnesium, Total	2.91	10	14.1	112		-	-		75-125	-		20
Manganese, Total	0.007J	0.5	0.529	106		-	-		75-125	-		20
Nickel, Total	0.003J	0.5	0.532	106		-	-		75-125	-		20
Potassium, Total	0.679J	10	12.4	124		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.142	118		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0547	109		-	-		75-125	-		20
Sodium, Total	165	10	180	**150**	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.130	108		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.524	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

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): 02 QC Batch ID: WG1874560-3 QC Sample: L2401829-01 Client ID: MS Sample									
Zinc, Total	0.019J	0.5	0.579	116	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1874564-3 QC Sample: L2402308-05 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00511	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1874673-3 WG1874673-4 QC Sample: L2402308-18 Client ID: MS Sample											
Aluminum, Total	2550	177	2770	124		2670	**68**	Q	75-125	4	20
Antimony, Total	ND	44.3	47.3	107		45.9	105		75-125	3	20
Arsenic, Total	0.547J	10.6	13.0	122		12.6	120		75-125	3	20
Barium, Total	11.6	177	199	106		188	101		75-125	6	20
Beryllium, Total	0.122J	4.43	4.75	107		4.50	103		75-125	5	20
Cadmium, Total	ND	4.7	4.44	94		4.31	93		75-125	3	20
Calcium, Total	988	886	2030	118		1960	111		75-125	4	20
Chromium, Total	9.80	17.7	25.0	86		24.2	82		75-125	3	20
Cobalt, Total	1.40J	44.3	44.8	101		43.4	99		75-125	3	20
Copper, Total	2.43	22.2	23.6	96		22.8	93		75-125	3	20
Iron, Total	7760	88.6	7170	**0**	Q	6880	**0**	Q	75-125	4	20
Lead, Total	0.993J	47	57.0	121		55.0	118		75-125	4	20
Magnesium, Total	750	886	1770	115		1720	111		75-125	3	20
Manganese, Total	63.0	44.3	106	97		100	84		75-125	6	20
Nickel, Total	3.13	44.3	44.4	93		42.8	90		75-125	4	20
Potassium, Total	306	886	1430	**127**	Q	1370	121		75-125	4	20
Selenium, Total	ND	10.6	12.5	118		11.9	113		75-125	5	20
Silver, Total	ND	4.43	4.39	99		4.24	97		75-125	3	20
Sodium, Total	90.7J	886	1210	**136**	Q	1160	**132**	Q	75-125	4	20
Thallium, Total	0.333J	10.6	12.5	118		12.2	116		75-125	2	20
Vanadium, Total	8.85	44.3	51.2	96		49.5	93		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1874673-3 WG1874673-4 QC Sample: L2402308-18 Client ID: MS Sample									
Zinc, Total	7.47	44.3	49.5	95	48.0	92	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1874675-3 WG1874675-4 QC Sample: L2402308-18 Client ID: MS Sample									
Mercury, Total	ND	1.43	1.29	90	1.34	92	80-120	4	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1874564-4 QC Sample: L2402308-05 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2402095
Report Date: 01/19/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1874673-6 QC Sample: L2402308-18 Client ID: DUP Sample						
Aluminum, Total	2550	2580	mg/kg	1		20
Calcium, Total	988	999	mg/kg	1		20
Iron, Total	7760	8130	mg/kg	5		20
Magnesium, Total	750	755	mg/kg	1		20
Manganese, Total	63.0	63.7	mg/kg	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

SAMPLE RESULTS

Lab ID: L2402095-01
Client ID: EP-38 (5' BGS)
Sample Location: 101 E.150TH ST., BRONX, NY

Date Collected: 01/12/24 11:00
Date Received: 01/12/24
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	-	01/13/24 11:11	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101E 150TH

Project Number: 41.0163097.00

Lab Number: L2402095

Report Date: 01/19/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1873961-1 QC Sample: L2402248-01 Client ID: DUP Sample						
Solids, Total	82.1	82.9	%	1		20

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

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(*)
L2402095-01A	Vial MeOH preserved	A	NA		4.4	Y	Absent		NYTCL-8260HLW(14)
L2402095-01B	Vial water preserved	A	NA		4.4	Y	Absent	13-JAN-24 09:50	NYTCL-8260HLW(14)
L2402095-01C	Vial water preserved	A	NA		4.4	Y	Absent	13-JAN-24 09:50	NYTCL-8260HLW(14)
L2402095-01D	Plastic 120ml unpreserved	A	NA		4.4	Y	Absent		TS(7)
L2402095-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.4	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2402095-01F	Glass 250ml/8oz unpreserved	A	NA		4.4	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2402095-02A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2402095-02B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2402095-02C	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2402095-02D	Amber 120ml unpreserved	A	7	7	4.4	Y	Absent		NYTCL-8082-LVI(365)
L2402095-02E	Amber 120ml unpreserved	A	7	7	4.4	Y	Absent		NYTCL-8082-LVI(365)
L2402095-02F	Amber 120ml unpreserved	A	7	7	4.4	Y	Absent		NYTCL-8081(7)
L2402095-02G	Amber 120ml unpreserved	A	7	7	4.4	Y	Absent		NYTCL-8081(7)
L2402095-02H	Amber 250ml unpreserved	A	7	7	4.4	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2402095-02J	Amber 250ml unpreserved	A	7	7	4.4	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2402095-02K	Plastic 120ml HNO3 preserved split	A	7	<2	4.4	N	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2402095-03A	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)
L2402095-03B	Vial HCl preserved	A	NA		4.4	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101E 150TH
Project Number: 41.0163097.00

Lab Number: L2402095
Report Date: 01/19/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)

*Values in parentheses indicate holding time in days

Project Name:	SA 101E 150TH	**Lab Number:**	L2402095
Project Number:	41.0163097.00	**Report Date:**	01/19/24

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:	SA 101E 150TH	**Lab Number:**	L2402095
Project Number:	41.0163097.00	**Report Date:**	01/19/24

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:	SA 101E 150TH	**Lab Number:**	L2402095
Project Number:	41.0163097.00	**Report Date:**	01/19/24

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:	SA 101E 150TH	**Lab Number:**	L2402095
Project Number:	41.0163097.00	**Report Date:**	01/19/24

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

Page 1 of 1

Date Rec'd in Lab: 1/13/24

ALPHA Job #: L2402095

Client Information

Client: GZA GeoEnvironmental
Address: 104 W. 29th Street
New York, NY 10001
Phone:
Fax:
Email: Reinbill.Manriquez@gza.com

Project Information

Project Name: SA 101 East 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Manriquez
ALPHAQuote #:

Turn-Around Time

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260C	SVOCs 8270D	TAL Metals	Pesticides 8081 / PCBs 8082	1,4-Dioxane				Sample Specific Comments	Total Bottle
02095-01	EP-38 (5' bgs)	1/12/24	11:00	S	MD	X	X	X	X	X					
-02	FB-2024-1-12	1/12/24	11:15	W	MD	↓	↓	↓	↓	↓					
-03	TB-2024-1-12	1/12/24	11:20	W	MD	↓	↓	↓	↓	↓					

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

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
	1/12/24 12:00		1/12/24 12:00
	1/12/24 18:55		1/12 18:55
	1/12		1/12 22:30
NAL	1/13 1:00		1/13/24 0100

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 & CONSTITUTIONS. (See reverse side.)

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

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CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of New York
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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Stephen M. Kline, P.E.

Date: March 29, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on Drawing 1 – IRM Endpoint Sample Results Map (see attached).

On February 14, 2024, the NYSDEC recommended that additional excavation be performed at EP-18 and EP-21, and that additional endpoint delineation samples be collected after over-excavating these areas (these additional endpoint samples are designated EP-18A and EP-21A).

On March 4, 2024, GZA collected EP-40, EP-41, EP-58, EP-60, EP-62, EP-63 at 5 feet below ground surface (bgs). Additional excavations were performed and EP-21A was collected at 8 feet bgs, and EP-18A at 6.5 feet bgs. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Sample

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). Trichloroethene was detected at concentrations above Protection of Groundwater SCOs at EP-60. Based on the approved IRM, the project intends to over excavate this area and collect additional endpoint sample going deeper and to extend the remediation area to the southeast. Additional endpoint samples will be collected after remedial excavation to be designated EP-60A, and EP-64.

This memorandum also transmits to the NYSDEC the laboratory report (Project ID No. L2411582) that were prepared by Alpha Analytical Laboratories (a subsidiary of Pace Analytical Laboratories) of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see Attachment A).

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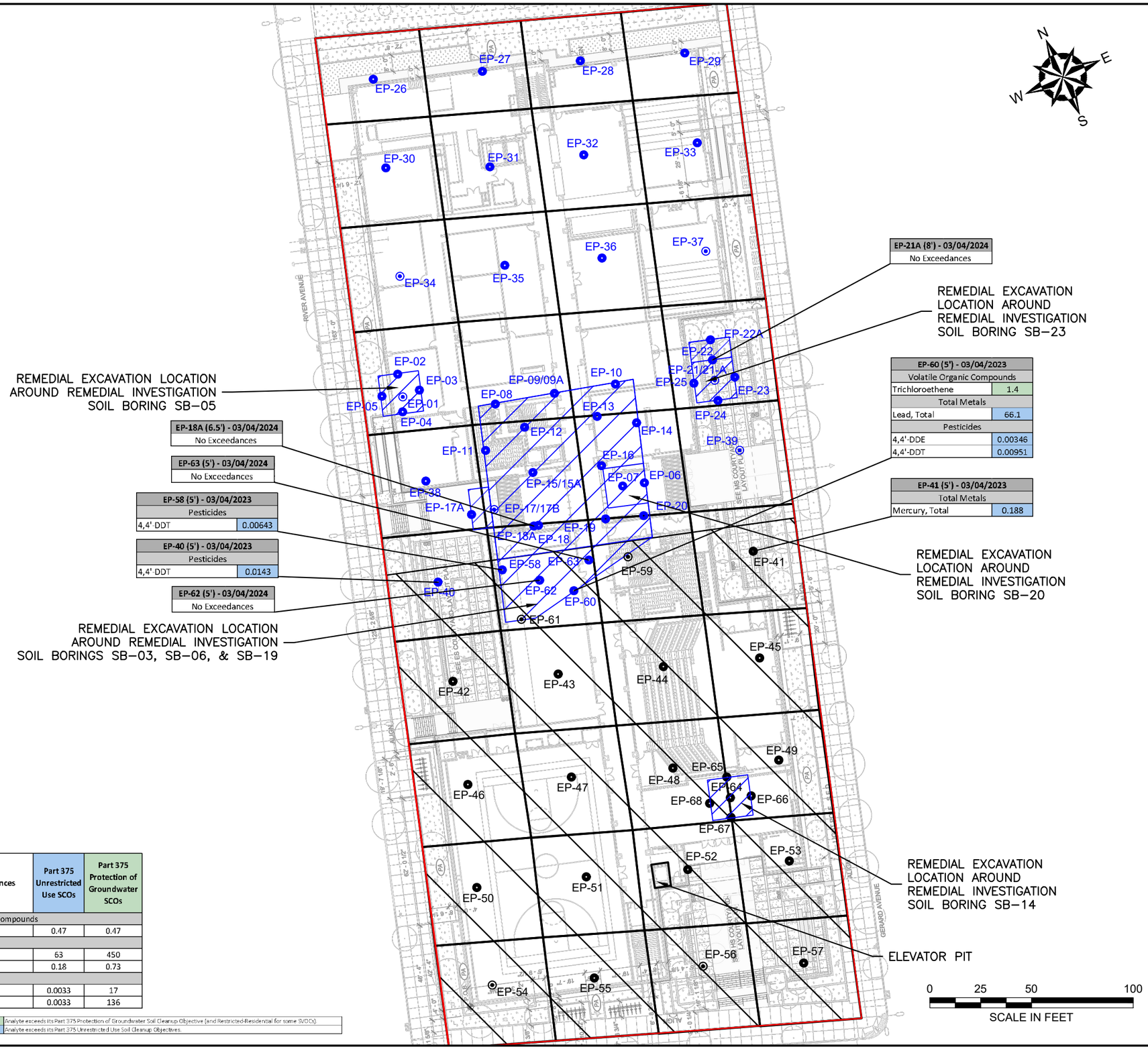
FIGURES



REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–05

EP-18A (6.5') - 03/04/2024
No Exceedances

EP-63 (5') - 03/04/2024
No Exceedances

EP-58 (5') - 03/04/2023	
Pesticides	
4,4'-DDT	0.00643

EP-40 (5') - 03/04/2023	
Pesticides	
4,4'-DDT	0.0143

EP-62 (5') - 03/04/2024
No Exceedances

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORINGS SB–03, SB–06, & SB–19

EP-21A (8') - 03/04/2024
No Exceedances

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–23

EP-60 (5') - 03/04/2023	
Volatile Organic Compounds	
Trichloroethene	1.4
Total Metals	
Lead, Total	66.1
Pesticides	
4,4'-DDE	0.00346
4,4'-DDT	0.00951

EP-41 (5') - 03/04/2023	
Total Metals	
Mercury, Total	0.188

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–20

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–14

ELEVATOR PIT

0 25 50 100
SCALE IN FEET

Soil Exceedances	Part 375 Unrestricted Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
Trichloroethene	0.47	0.47
Metals, Total		
Lead, Total	63	450
Mercury, Total	0.18	0.73
Pesticides		
4,4'-DDE	0.0033	17
4,4'-DDT	0.0033	136

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).
Analyte exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SITE – LAYOUT PLAN", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 05–26–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE – SOUTHERN EXTENT
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 — PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 — PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- EP-02 — PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-01 — PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (MARCH 4, 2024)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	DRAWING 1
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	SHEET NO.
DATE: MARCH 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 SE Spider Diagram_EPs.dwg [F1 – SPIDER DIAGRAM March] March 28, 2024 – 4:32pm Jazlyn.Natoli

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-40		EP-41		EP-58		EP-62		EP-63		EP-60		EP-21A		EP-18A	
LAB SAMPLE ID				L2411582-01		L2411582-02		L2411582-03		L2411582-04		L2411582-05		L2411582-06		L2411582-07		L2411582-08	
DATE				3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		8		6.5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																			
1,1,1,2-Tetrachloroethane	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0024		0.00093		0.0061		0.0036		0.00079		0.15		0.0005	U	0.0038	
1,1,2,2-Tetrachloroethane	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
1,1,2-Trichloroethane	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
1,1-Dichloroethane	0.27	26	0.27	0.00084	J	0.00032	J	0.0019		0.0019		0.00018	J	0.036		0.001	U	0.0011	
1,1-Dichloroethene	0.33	100	0.33	0.00028	J	0.00093	U	0.00052	J	0.00071	J	0.00094	U	0.03	U	0.001	U	0.00093	U
1,1-Dichloropropene	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
1,2,3-Trichlorobenzene	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2,3-Trichloropropane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.00083	J	0.0019	U	0.00097	J	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2,4-Trichlorobenzene	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0017	U	0.0019	U	0.0022		0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0026	U	0.0028	U	0.0025	U	0.0026	U	0.0028	U	0.09	U	0.003	U	0.0028	U
1,2-Dibromoethane	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
1,2-Dichloroethene, Total	--	--	--	0.0038		0.0017		0.0081	J	0.0083	J	0.0015		0.11		0.001	U	0.0093	J
1,2-Dichloropropane	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0017	U	0.0019	U	0.0015	J	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,3-Dichloropropane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,3-Dichloropropene, Total	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
1,4-Dioxane	0.1	13	0.1	0.069	U	0.074	U	0.067	U	0.07	U	0.076	U	2.4	U	0.081	U	0.074	U
2,2-Dichloropropane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
2-Butanone	0.12	100	0.12	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
2-Hexanone	--	--	--	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
4-Methyl-2-pentanone	--	--	--	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
Acetone	0.05	100	0.05	0.0087	U	0.0093	U	0.0075	J	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
Acrylonitrile	--	--	--	0.0035	U	0.0037	U	0.0034	U	0.0035	U	0.0038	U	0.12	U	0.004	U	0.0037	U
Benzene	0.06	4.8	0.06	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
Bromobenzene	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Bromochloromethane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Bromodichloromethane	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
Bromoform	--	--	--	0.0035	U	0.0037	U	0.0034	U	0.0035	U	0.0038	U	0.12	U	0.004	U	0.0037	U
Bromomethane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Carbon disulfide	--	--	--	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
Carbon tetrachloride	0.76	2.4	0.76	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Chlorobenzene	1.1	100	1.1	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
Chloroethane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Chloroform	0.37	49	0.37	0.0013	U	0.0014	U	0.00012	J	0.0013	U	0.0014	U	0.045	U	0.0015	U	0.0014	U
Chloromethane	--	--	--	0.0035	U	0.0037	U	0.0034	U	0.0035	U	0.0038	U	0.12	U	0.004	U	0.0037	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0038		0.0017		0.0079		0.0081		0.0015		0.11		0.001	U	0.0091	
cis-1,3-Dichloropropene	--	--	--	0.00043	U	0.00046	U	0.00042	U	0.00044	U	0.00047	U	0.015	U	0.0005	U	0.00046	U
Dibromochloromethane	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Dibromomethane	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Dichlorodifluoromethane	--	--	--	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
Ethyl ether	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Ethylbenzene	1	41	1	0.00087	U	0.00093	U	0.00014	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Hexachlorobutadiene	--	--	--	0.0035	U	0.0037	U	0.0034	U	0.0035	U	0.0038	U	0.12	U	0.004	U	0.0037	U
Isopropylbenzene	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Methyl tert butyl ether	0.93	100	0.93	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Methylene chloride	0.05	100	0.05	0.0043	U	0.0046	U	0.0042	U	0.0044	U	0.0047	U	0.15	U	0.005	U	0.0046	U
n-Butylbenzene	12	100	12	0.00035	J	0.00093	U	0.00041	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
n-Propylbenzene	3.9	100	3.9	0.00087	U	0.00093	U	0.00019	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Naphthalene	12	100	12	0.0013	J	0.0037	U	0.0056		0.00075	J	0.0038	U	0.078	J	0.004	U	0.0037	U
o-Chlorotoluene	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
o-Xylene	--	--	--	0.00056	J	0.00093	U	0.00037	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
p-Chlorotoluene	--	--	--	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
p-Diethylbenzene	--	--	--	0.0017	U	0.0019	U	0.0022		0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
p-Ethyltoluene	--	--	--	0.0017	U	0.0019	U	0.0014	J	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
p-Isopropyltoluene	--	--	--	0.00087	U	0.00093	U	0.00027	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
p/m-Xylene	--	--	--	0.0006	J	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
sec-Butylbenzene	11	100	11	0.00087	U	0.00093	U	0.00014	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Styrene	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
tert-Butylbenzene	5.9	100	5.9	0.0017	U	0.0019	U	0.0017	U	0.0018	U	0.0019	U	0.06	U	0.002	U	0.0018	U
Tetrachloroethene	1.3	19	1.3	0.001		0.001		0.0013		0.00083		0.00047	U	0.094		0.0005	U	0.00023	J
Toluene	0.7	100	0.7	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0014	U	0.00016	J	0.00015	J	0.0014	U	0.045	U	0.0015	U	0.00022	J
trans-1,3-Dichloropropene	--	--	--	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0043	U	0.0046	U	0.0042	U	0.0044	U	0.0047	U	0.15	U	0.005	U	0.0046	U
Trichloroethene	0.47	21	0.47	0.011		0.007		0.03		0.031		0.011		**1.4**		0.0005	U	0.036	
Trichlorofluoromethane	--	--	--	0.0035	U	0.0037	U	0.0034	U	0.0035	U	0.0038	U	0.12	U	0.004	U	0.0037	U
Vinyl acetate	--	--	--	0.0087	U	0.0093	U	0.0084	U	0.0088	U	0.0094	U	0.3	U	0.01	U	0.0093	U
Vinyl chloride	0.02	0.9	0.02	0.00087	U	0.00093	U	0.00084	U	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U
Xylenes, Total	0.26	100	1.6	0.0012	J	0.00093	U	0.00037	J	0.00088	U	0.00094	U	0.03	U	0.001	U	0.00093	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-40		EP-41		EP-58		EP-62		EP-63		EP-60		EP-21A		EP-18A	
LAB SAMPLE ID				L2411582-01		L2411582-02		L2411582-03		L2411582-04		L2411582-05		L2411582-06		L2411582-07		L2411582-08	
DATE				3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		8		6.5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																			
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.029	U	0.028	U	0.029	U	0.028	U	0.027	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.92	U	0.88	U	0.92	U	0.9	U	0.86	U	0.88	U	0.87	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.029	J	0.22	U	0.029	J	0.22	U	0.21	U	0.06	J	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.41	U	0.4	U	0.41	U	0.4	U	0.39	U	0.39	U	0.39	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.28	U	0.26	U	0.28	U	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.5	U	0.48	U	0.5	U	0.49	U	0.46	U	0.47	U	0.47	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.27	U	0.26	U	0.27	U	0.26	U	0.25	U	0.26	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.082	J	0.069	J	0.11	J	0.04	J	0.14	U	0.39		0.14	U	0.14	U
Acenaphthylene	100	1000	107	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.098	J	0.083	J	0.13		0.062	J	0.11	U	0.36		0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.2		0.15		0.28		0.14		0.079	J	0.8		0.021	J	0.022	J
Benzo(a)pyrene	1	1	22	0.21		0.16		0.28		0.14	J	0.079	J	0.76		0.14	U	0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.27		0.2		0.34		0.17		0.095	J	0.96		0.11	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.14	J	0.098	J	0.19		0.089	J	0.059	J	0.48		0.14	U	0.14	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.087	J	0.059	J	0.13		0.054	J	0.031	J	0.34		0.11	U	0.11	U
Benzoic Acid	--	--	--	0.62	U	0.6	U	0.62	U	0.61	U	0.58	U	0.59	U	0.59	U	0.59	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.44	U	0.42	U	0.44	U	0.43	U	0.41	U	0.42	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.21	U	0.2	U	0.21	U	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.22	U	0.23	U	0.22	U	0.21	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.062	J	0.039	J	0.08	J	0.032	J	0.18	U	0.21		0.18	U	0.18	U
Chrysene	1	3.9	1	0.19		0.15		0.27		0.13		0.082	J	0.75		0.11	U	0.021	J
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.034	J	0.023	J	0.048	J	0.022	J	0.11	U	0.13		0.11	U	0.11	U
Dibenzofuran	7	59	210	0.036	J	0.031	J	0.048	J	0.19	U	0.18	U	0.14	J	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.49		0.41		0.67		0.33		0.16		1.9		0.026	J	0.039	J
Fluorene	30	100	386	0.054	J	0.045	J	0.076	J	0.029	J	0.18	U	0.22		0.18	U	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.55	U	0.53	U	0.55	U	0.54	U	0.51	U	0.52	U	0.52	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	J	0.096	J	0.18		0.088	J	0.052	J	0.49		0.14	U	0.14	U
Isophorone	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.062	J	0.065	J	0.073	J	0.033	J	0.18	U	0.2		0.18	U	0.18	U
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.37		0.33		0.51		0.23		0.089	J	1.4		0.11	U	0.022	J
Phenol	0.33	100	0.33	0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.42		0.34		0.58		0.29		0.16		1.6		0.026	J	0.038	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-40		EP-41		EP-58		EP-62		EP-63		EP-60		EP-21A		EP-18A	
LAB SAMPLE ID				L2411582-01		L2411582-02		L2411582-03		L2411582-04		L2411582-05		L2411582-06		L2411582-07		L2411582-08	
DATE				3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		8		6.5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																			
Aluminum, Total	--	--	--	6270		6370		6130		5850		5100		6560		2120		6070	
Antimony, Total	--	--	--	11.2	U	10.9	U	11	U	10.9	U	10.6	U	0.841	J	10.4	U	10.6	U
Arsenic, Total	13	16	16	3.32		2.64		2.97		2.57		1.23	J	5.16		2.62		1.57	J
Barium, Total	350	400	820	47.5		34.8		46.6		36.2		26.5		53.3		6.33		33.3	
Beryllium, Total	7.2	72	47	0.329	J	0.331	J	0.329	J	0.318	J	0.223	J	0.354	J	0.16	J	0.302	J
Cadmium, Total	2.5	4.3	7.5	0.224	J	2.18	U	2.2	U	2.18	U	2.12	U	2.13	U	2.09	U	2.12	U
Calcium, Total	--	--	--	9690		2530		6410		6840		615		10900		2520		1430	
Chromium, Total*	30	180	--	12.4		13.1		11.5		11.4		9.1		15.1		5.29		9.83	
Colbalt, Total	--	--	--	4.56		5.04		4.28	J	3.85	J	3.19	J	4.65		2.15	J	3.78	J
Copper, Total	50	270	1720	35.6		14.4		28.6		20.5		3.99		21.6		3.64		7.5	
Iron, Total	--	--	--	10500		11700		10500		10000		8480		11700		7020		9010	
Lead, Total	63	400	450	48.7		22.9		50.1		32.7		4.6	J	**66.1**		3.66	J	11.6	
Magnesium, Total	--	--	--	2830		2490		2210		2380		1330		2820		1180		1760	
Manganese, Total	1600	2000	2000	339		394		344		304		241		314		100		377	
Mercury, Total	0.18	0.81	0.73	0.087		**0.188**		0.096		0.073		0.07	U	0.117		0.069	U	0.071	U
Nickel, Total	30	310	130	9.79		11.2		9.09		9.64		5.93		10.6		5.11	J	7.67	
Potassium, Total	--	--	--	613		752		557		562		258	J	702		324	J	383	J
Selenium, Total	3.9	180	4	4.48	U	4.36	U	4.4	U	0.591	J	4.25	U	0.733	J	4.18	U	4.24	U
Silver, Total	2	180	8.3	1.12	U	1.09	U	1.1	U	1.09	U	1.06	U	1.06	U	1.04	U	1.06	U
Sodium, Total	--	--	--	275	J	153	J	774		313	J	99.8	J	200	J	61.8	J	108	J
Thallium, Total	--	--	--	4.48	U	4.36	U	4.4	U	4.37	U	4.25	U	4.25	U	4.18	U	4.24	U
Vanadium, Total	--	--	--	14.7		15.8		13.6		13.8		10.8		16.6		8.13		12.1	
Zinc, Total	109	10000	2480	77.2		37.1		70.8		50.6		15.4		80.7		13.5		23.3	

Table Notes:

--: No guidance value
***** Total chromium was compared to the trivalent chromium SCOs.
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-40		EP-41		EP-58		EP-62		EP-63		EP-60		EP-21A		EP-18A	
LAB SAMPLE ID				L2411582-01		L2411582-02		L2411582-03		L2411582-04		L2411582-05		L2411582-06		L2411582-07		L2411582-08	
DATE				3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024		3/4/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		8		6.5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																			
4,4'-DDD	0.0033	13	14	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
4,4'-DDE	0.0033	8.9	17	0.00426		0.000972	J	0.00255		0.000988	J	0.00166	U	**0.00346**		0.00169	U	0.00169	U
4,4'-DDT	0.0033	7.9	136	**0.0143**		0.00211		**0.00643**	**IP**	0.00315		0.00166	U	**0.00951**		0.00169	U	0.00169	U
Aldrin	0.005	0.097	0.19	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Alpha-BHC	0.02	0.48	0.02	0.000738	U	0.00075	U	0.000737	U	0.000732	U	0.00069	U	0.000744	U	0.000703	U	0.000705	U
Beta-BHC	0.036	0.36	0.09	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Chlordane	--	--	--	0.0148	U	0.015	U	0.0147	U	0.0146	U	0.0138	U	0.0149	U	0.0141	U	0.0141	U
cis-Chlordane	0.094	4.2	2.9	0.00221	U	0.00225	U	0.00221	U	0.0022	U	0.00207	U	0.00223	U	0.00211	U	0.00212	U
Delta-BHC	0.04	100	0.25	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Dieldrin	0.005	0.2	0.1	0.00111	U	0.00112	U	0.0011	U	0.0011	U	0.00104	U	0.00112	U	0.00105	U	0.00106	U
Endosulfan I	2.4	24	102	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Endosulfan II	2.4	24	102	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Endosulfan sulfate	2.4	24	1000	0.000738	U	0.00075	U	0.000737	U	0.000732	U	0.00069	U	0.000744	U	0.000703	U	0.000705	U
Endrin	0.014	11	0.06	0.000738	U	0.00075	U	0.000737	U	0.000732	U	0.00069	U	0.000744	U	0.000703	U	0.000705	U
Endrin aldehyde	--	--	--	0.00221	U	0.00225	U	0.00221	U	0.0022	U	0.00207	U	0.00223	U	0.00211	U	0.00212	U
Endrin ketone	--	--	--	0.00177	U	0.0018	U	0.00177	U	0.00176	U	0.00166	U	0.00178	U	0.00169	U	0.00169	U
Heptachlor	0.042	2.1	0.38	0.000886	U	0.0009	U	0.000885	U	0.000879	U	0.000828	U	0.000893	U	0.000844	U	0.000846	U
Heptachlor epoxide	--	--	--	0.00332	U	0.00338	U	0.00332	U	0.00329	U	0.00311	U	0.00335	U	0.00316	U	0.00317	U
Lindane	0.1	1.3	0.1	0.000738	U	0.00075	U	0.000737	U	0.000732	U	0.00069	U	0.000744	U	0.000703	U	0.000705	U
Methoxychlor	--	--	--	0.00332	U	0.00338	U	0.00332	U	0.00329	U	0.00311	U	0.00335	U	0.00316	U	0.00317	U
Toxaphene	--	--	--	0.0332	U	0.0338	U	0.0332	U	0.0329	U	0.0311	U	0.0335	U	0.0316	U	0.0317	U
trans-Chlordane	--	--	--	0.00221	U	0.00225	U	0.00221	U	0.0022	U	0.00207	U	0.00223	U	0.00211	U	0.00212	U
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1221	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1232	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1242	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1254	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1260	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1262	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
Aroclor 1268	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U
PCBs, Total	0.1	1	3.2	0.0565	U	0.0533	U	0.055	U	0.055	U	0.0538	U	0.0528	U	0.0532	U	0.054	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).
I: The lower value for the two columns has been reported due to obvious interference.
P: The percent recovery (RPD) between the results for the two columns exceeds the method-specified criteria.

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2411582
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	03/13/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2411582-01	EP-40 (5'BGS)	SOIL	BRONX, NY	03/04/24 10:20	03/04/24
L2411582-02	EP-41 (5'BGS)	SOIL	BRONX, NY	03/04/24 10:40	03/04/24
L2411582-03	EP-58 (5'BGS)	SOIL	BRONX, NY	03/04/24 11:30	03/04/24
L2411582-04	EP-62 (5'BGS)	SOIL	BRONX, NY	03/04/24 12:50	03/04/24
L2411582-05	EP-63 (5'BGS)	SOIL	BRONX, NY	03/04/24 13:00	03/04/24
L2411582-06	EP-60 (5'BGS)	SOIL	BRONX, NY	03/04/24 13:20	03/04/24
L2411582-07	EP-21A (8'BGS)	SOIL	BRONX, NY	03/04/24 13:50	03/04/24
L2411582-08	EP-18A (6.5'BGS)	SOIL	BRONX, NY	03/04/24 14:20	03/04/24
L2411582-09	FB-2024-03-04	WATER	BRONX, NY	03/04/24 12:25	03/04/24
L2411582-10	TB-2024-03-04	WATER	BRONX, NY	03/04/24 00:00	03/04/24

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

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.

Volatile Organics

L2411582-01, -03, and -04: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

The WG1893428-5 Method Blank, associated with L2411582-01, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1894653-5 Method Blank, associated with L2411582-05 and -08, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Semivolatile Organics

The WG1893577-2/-3 LCS/LCSD recoveries, associated with L2411582-01 through -08, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

Semivolatile Organics by SIM

The WG1894110-1 Method Blank, associated with L2411582-09, has a concentration above the reporting limit for Naphthalene. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

Case Narrative (continued)

detected below the reporting limit are qualified with a "B".

Total Metals

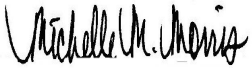
L2411582-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1893197-1 Method Blank, associated with L2411582-01 through -08, has a concentration above the reporting limit for iron. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The WG1893197-3 MS recoveries for aluminum (432%), calcium (0%), iron (1330%), and manganese (228%), performed on L2411582-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1893197-3 MS recoveries, performed on L2411582-01, are outside the acceptance criteria for sodium (131%) and zinc (372%). A post digestion spike was performed and was within 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:  Michelle M. Morris

Title: Technical Director/Representative Date: 03/13/24

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 20:34
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	160	75.	1
1,1-Dichloroethane	26	J	ug/kg	33	4.7	1
Chloroform	ND		ug/kg	49	4.6	1
Carbon tetrachloride	ND		ug/kg	33	7.5	1
1,2-Dichloropropane	ND		ug/kg	33	4.1	1
Dibromochloromethane	ND		ug/kg	33	4.6	1
1,1,2-Trichloroethane	ND		ug/kg	33	8.7	1
Tetrachloroethene	46		ug/kg	16	6.4	1
Chlorobenzene	ND		ug/kg	16	4.1	1
Trichlorofluoromethane	ND		ug/kg	130	23.	1
1,2-Dichloroethane	ND		ug/kg	33	8.4	1
1,1,1-Trichloroethane	74		ug/kg	16	5.4	1
Bromodichloromethane	ND		ug/kg	16	3.6	1
trans-1,3-Dichloropropene	ND		ug/kg	33	8.9	1
cis-1,3-Dichloropropene	ND		ug/kg	16	5.2	1
1,3-Dichloropropene, Total	ND		ug/kg	16	5.2	1
1,1-Dichloropropene	ND		ug/kg	16	5.2	1
Bromoform	ND		ug/kg	130	8.0	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	16	5.4	1
Benzene	ND		ug/kg	16	5.4	1
Toluene	ND		ug/kg	33	18.	1
Ethylbenzene	12	J	ug/kg	33	4.6	1
Chloromethane	ND		ug/kg	130	30.	1
Bromomethane	ND		ug/kg	65	19.	1
Vinyl chloride	ND		ug/kg	33	11.	1
Chloroethane	ND		ug/kg	65	15.	1
1,1-Dichloroethene	ND		ug/kg	33	7.8	1
trans-1,2-Dichloroethene	ND		ug/kg	49	4.5	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	590		ug/kg	16	4.5	1
1,2-Dichlorobenzene	ND		ug/kg	65	4.7	1
1,3-Dichlorobenzene	ND		ug/kg	65	4.8	1
1,4-Dichlorobenzene	ND		ug/kg	65	5.6	1
Methyl tert butyl ether	ND		ug/kg	65	6.6	1
p/m-Xylene	59	J	ug/kg	65	18.	1
o-Xylene	62		ug/kg	33	9.5	1
Xylenes, Total	120	J	ug/kg	33	9.5	1
cis-1,2-Dichloroethene	76		ug/kg	33	5.7	1
1,2-Dichloroethene, Total	76		ug/kg	33	4.5	1
Dibromomethane	ND		ug/kg	65	7.8	1
Styrene	ND		ug/kg	33	6.4	1
Dichlorodifluoromethane	ND		ug/kg	330	30.	1
Acetone	ND		ug/kg	330	160	1
Carbon disulfide	ND		ug/kg	330	150	1
2-Butanone	ND		ug/kg	330	72.	1
Vinyl acetate	ND		ug/kg	330	70.	1
4-Methyl-2-pentanone	ND		ug/kg	330	42.	1
1,2,3-Trichloropropane	ND		ug/kg	65	4.1	1
2-Hexanone	ND		ug/kg	330	38.	1
Bromochloromethane	ND		ug/kg	65	6.7	1
2,2-Dichloropropane	ND		ug/kg	65	6.6	1
1,2-Dibromoethane	ND		ug/kg	33	9.1	1
1,3-Dichloropropane	ND		ug/kg	65	5.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	16	4.3	1
Bromobenzene	ND		ug/kg	65	4.7	1
n-Butylbenzene	ND		ug/kg	33	5.4	1
sec-Butylbenzene	ND		ug/kg	33	4.8	1
tert-Butylbenzene	ND		ug/kg	65	3.8	1
o-Chlorotoluene	ND		ug/kg	65	6.2	1
p-Chlorotoluene	ND		ug/kg	65	3.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	98	32.	1
Hexachlorobutadiene	ND		ug/kg	130	5.5	1
Isopropylbenzene	ND		ug/kg	33	3.6	1
p-Isopropyltoluene	ND		ug/kg	33	3.6	1
Naphthalene	57	J	ug/kg	130	21.	1
Acrylonitrile	ND		ug/kg	130	38.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	33	5.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	65	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	65	8.9	1
1,3,5-Trimethylbenzene	11	J	ug/kg	65	6.3	1
1,2,4-Trimethylbenzene	28	J	ug/kg	65	11.	1
1,4-Dioxane	ND		ug/kg	2600	1100	1
p-Diethylbenzene	ND		ug/kg	65	5.8	1
p-Ethyltoluene	14	J	ug/kg	65	12.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	65	6.2	1
Ethyl ether	ND		ug/kg	65	11.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	160	46.	1

Tentatively Identified Compounds

No Tentatively Identified Compounds	ND		ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/07/24 13:15
Analyst: JIC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	0.84	J	ug/kg	0.87	0.12	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	1.0		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	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	2.4		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	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	3.5	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	0.87	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	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	0.28	J	ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: 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	11		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	0.60	J	ug/kg	1.7	0.48	1
o-Xylene	0.56	J	ug/kg	0.87	0.25	1
Xylenes, Total	1.2	J	ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	3.8		ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	3.8		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	0.79	1
Acetone	ND		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	3.9	1
2-Butanone	ND		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	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	0.35	J	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	0.16	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	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.09	1
Naphthalene	1.3	J	ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: 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	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	0.83	J	ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	35.6	J	ug/kg			1
Naphthalene, 2,3,6-trimethyl-	2.86	NJ	ug/kg			1
Unknown	2.08	J	ug/kg			1
Unknown Naphthalene	3.40	J	ug/kg			1
Unknown Naphthalene	2.63	J	ug/kg			1
Unknown Naphthalene	2.46	J	ug/kg			1
Unknown	3.16	J	ug/kg			1
Unknown	2.38	J	ug/kg			1
Unknown Naphthalene	4.17	J	ug/kg			1
Unknown	2.50	J	ug/kg			1
Unknown	9.91	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:40
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 19:42
Analyst: AJK
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	0.32	J	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	1.0		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	0.93		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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02 Date Collected: 03/04/24 10:40

Client ID: EP-41 (5'BGS) Date Received: 03/04/24

Sample Location: 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	7.0		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	1.7		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	1.7		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	0.13	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:40
Date Received: 03/04/24
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	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	100		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 11:30
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 20:59
Analyst: AJK
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	150	70.	1
1,1-Dichloroethane	37		ug/kg	30	4.4	1
Chloroform	ND		ug/kg	46	4.3	1
Carbon tetrachloride	ND		ug/kg	30	7.0	1
1,2-Dichloropropane	ND		ug/kg	30	3.8	1
Dibromochloromethane	ND		ug/kg	30	4.3	1
1,1,2-Trichloroethane	ND		ug/kg	30	8.1	1
Tetrachloroethene	64		ug/kg	15	6.0	1
Chlorobenzene	ND		ug/kg	15	3.9	1
Trichlorofluoromethane	ND		ug/kg	120	21.	1
1,2-Dichloroethane	ND		ug/kg	30	7.8	1
1,1,1-Trichloroethane	120		ug/kg	15	5.1	1
Bromodichloromethane	ND		ug/kg	15	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	30	8.3	1
cis-1,3-Dichloropropene	ND		ug/kg	15	4.8	1
1,3-Dichloropropene, Total	ND		ug/kg	15	4.8	1
1,1-Dichloropropene	ND		ug/kg	15	4.8	1
Bromoform	ND		ug/kg	120	7.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	15	5.0	1
Benzene	ND		ug/kg	15	5.0	1
Toluene	ND		ug/kg	30	16.	1
Ethylbenzene	ND		ug/kg	30	4.3	1
Chloromethane	ND		ug/kg	120	28.	1
Bromomethane	ND		ug/kg	61	18.	1
Vinyl chloride	ND		ug/kg	30	10.	1
Chloroethane	ND		ug/kg	61	14.	1
1,1-Dichloroethene	8.7	J	ug/kg	30	7.2	1
trans-1,2-Dichloroethene	ND		ug/kg	46	4.2	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1200		ug/kg	15	4.2	1
1,2-Dichlorobenzene	ND		ug/kg	61	4.4	1
1,3-Dichlorobenzene	ND		ug/kg	61	4.5	1
1,4-Dichlorobenzene	ND		ug/kg	61	5.2	1
Methyl tert butyl ether	ND		ug/kg	61	6.1	1
p/m-Xylene	ND		ug/kg	61	17.	1
o-Xylene	ND		ug/kg	30	8.9	1
Xylenes, Total	ND		ug/kg	30	8.9	1
cis-1,2-Dichloroethene	140		ug/kg	30	5.3	1
1,2-Dichloroethene, Total	140		ug/kg	30	4.2	1
Dibromomethane	ND		ug/kg	61	7.2	1
Styrene	ND		ug/kg	30	6.0	1
Dichlorodifluoromethane	ND		ug/kg	300	28.	1
Acetone	ND		ug/kg	300	150	1
Carbon disulfide	ND		ug/kg	300	140	1
2-Butanone	ND		ug/kg	300	68.	1
Vinyl acetate	ND		ug/kg	300	66.	1
4-Methyl-2-pentanone	ND		ug/kg	300	39.	1
1,2,3-Trichloropropane	ND		ug/kg	61	3.9	1
2-Hexanone	ND		ug/kg	300	36.	1
Bromochloromethane	ND		ug/kg	61	6.2	1
2,2-Dichloropropane	ND		ug/kg	61	6.2	1
1,2-Dibromoethane	ND		ug/kg	30	8.5	1
1,3-Dichloropropane	ND		ug/kg	61	5.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	15	4.0	1
Bromobenzene	ND		ug/kg	61	4.4	1
n-Butylbenzene	ND		ug/kg	30	5.1	1
sec-Butylbenzene	ND		ug/kg	30	4.4	1
tert-Butylbenzene	ND		ug/kg	61	3.6	1
o-Chlorotoluene	ND		ug/kg	61	5.8	1
p-Chlorotoluene	ND		ug/kg	61	3.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	91	30.	1
Hexachlorobutadiene	ND		ug/kg	120	5.2	1
Isopropylbenzene	ND		ug/kg	30	3.3	1
p-Isopropyltoluene	ND		ug/kg	30	3.3	1
Naphthalene	280		ug/kg	120	20.	1
Acrylonitrile	ND		ug/kg	120	35.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	30	5.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	61	9.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	61	8.3	1
1,3,5-Trimethylbenzene	7.7	J	ug/kg	61	5.9	1
1,2,4-Trimethylbenzene	17	J	ug/kg	61	10.	1
1,4-Dioxane	ND		ug/kg	2400	1100	1
p-Diethylbenzene	ND		ug/kg	61	5.4	1
p-Ethyltoluene	13	J	ug/kg	61	12.	1
1,2,4,5-Tetramethylbenzene	6.5	J	ug/kg	61	5.8	1
Ethyl ether	ND		ug/kg	61	10.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	150	43.	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	91		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 11:30
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/06/24 22:21
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	4.2	1.9	1
1,1-Dichloroethane	1.9		ug/kg	0.84	0.12	1
Chloroform	0.12	J	ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	1.3		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	1
1,1,1-Trichloroethane	6.1		ug/kg	0.42	0.14	1
Bromodichloromethane	ND		ug/kg	0.42	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.84	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	3.4	0.21	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	0.84	0.46	1
Ethylbenzene	0.14	J	ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.78	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	0.52	J	ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	0.16	J	ug/kg	1.3	0.12	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: 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	30		ug/kg	0.42	0.12	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	0.37	J	ug/kg	0.84	0.24	1
Xylenes, Total	0.37	J	ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	7.9		ug/kg	0.84	0.15	1
1,2-Dichloroethene, Total	8.1	J	ug/kg	0.84	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	7.5	J	ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	ND		ug/kg	8.4	1.9	1
Vinyl acetate	ND		ug/kg	8.4	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.4	0.99	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	0.84	0.24	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	0.41	J	ug/kg	0.84	0.14	1
sec-Butylbenzene	0.14	J	ug/kg	0.84	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	0.84	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	0.27	J	ug/kg	0.84	0.09	1
Naphthalene	5.6		ug/kg	3.4	0.55	1
Acrylonitrile	ND		ug/kg	3.4	0.97	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: 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	0.19	J	ug/kg	0.84	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	1.5	J	ug/kg	1.7	0.16	1
1,2,4-Trimethylbenzene	2.2		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	67	30.	1
p-Diethylbenzene	2.2		ug/kg	1.7	0.15	1
p-Ethyltoluene	1.4	J	ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	0.97	J	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	4.2	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	33.9	J	ug/kg			1
Unknown	2.49	J	ug/kg			1
Unknown Alkane	2.94	J	ug/kg			1
Unknown	3.82	J	ug/kg			1
Unknown Alkane	3.24	J	ug/kg			1
Unknown Alkane	7.12	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.21	NJ	ug/kg			1
Unknown	2.49	J	ug/kg			1
Unknown	2.70	J	ug/kg			1
Unknown Alkane	2.78	J	ug/kg			1
Unknown Benzene	2.07	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 21:25
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	150	70.	1
1,1-Dichloroethane	33		ug/kg	30	4.4	1
Chloroform	ND		ug/kg	46	4.3	1
Carbon tetrachloride	ND		ug/kg	30	7.0	1
1,2-Dichloropropane	ND		ug/kg	30	3.8	1
Dibromochloromethane	ND		ug/kg	30	4.3	1
1,1,2-Trichloroethane	ND		ug/kg	30	8.2	1
Tetrachloroethene	50		ug/kg	15	6.0	1
Chlorobenzene	ND		ug/kg	15	3.9	1
Trichlorofluoromethane	ND		ug/kg	120	21.	1
1,2-Dichloroethane	ND		ug/kg	30	7.8	1
1,1,1-Trichloroethane	98		ug/kg	15	5.1	1
Bromodichloromethane	ND		ug/kg	15	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	30	8.3	1
cis-1,3-Dichloropropene	ND		ug/kg	15	4.8	1
1,3-Dichloropropene, Total	ND		ug/kg	15	4.8	1
1,1-Dichloropropene	ND		ug/kg	15	4.8	1
Bromoform	ND		ug/kg	120	7.5	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	15	5.1	1
Benzene	ND		ug/kg	15	5.1	1
Toluene	ND		ug/kg	30	16.	1
Ethylbenzene	ND		ug/kg	30	4.3	1
Chloromethane	ND		ug/kg	120	28.	1
Bromomethane	ND		ug/kg	61	18.	1
Vinyl chloride	ND		ug/kg	30	10.	1
Chloroethane	ND		ug/kg	61	14.	1
1,1-Dichloroethene	ND		ug/kg	30	7.3	1
trans-1,2-Dichloroethene	ND		ug/kg	46	4.2	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04 Date Collected: 03/04/24 12:50

Client ID: EP-62 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	790		ug/kg	15	4.2	1
1,2-Dichlorobenzene	ND		ug/kg	61	4.4	1
1,3-Dichlorobenzene	ND		ug/kg	61	4.5	1
1,4-Dichlorobenzene	ND		ug/kg	61	5.2	1
Methyl tert butyl ether	ND		ug/kg	61	6.1	1
p/m-Xylene	ND		ug/kg	61	17.	1
o-Xylene	ND		ug/kg	30	8.9	1
Xylenes, Total	ND		ug/kg	30	8.9	1
cis-1,2-Dichloroethene	94		ug/kg	30	5.3	1
1,2-Dichloroethene, Total	94		ug/kg	30	4.2	1
Dibromomethane	ND		ug/kg	61	7.3	1
Styrene	ND		ug/kg	30	6.0	1
Dichlorodifluoromethane	ND		ug/kg	300	28.	1
Acetone	ND		ug/kg	300	150	1
Carbon disulfide	ND		ug/kg	300	140	1
2-Butanone	ND		ug/kg	300	68.	1
Vinyl acetate	ND		ug/kg	300	66.	1
4-Methyl-2-pentanone	ND		ug/kg	300	39.	1
1,2,3-Trichloropropane	ND		ug/kg	61	3.9	1
2-Hexanone	ND		ug/kg	300	36.	1
Bromochloromethane	ND		ug/kg	61	6.3	1
2,2-Dichloropropane	ND		ug/kg	61	6.2	1
1,2-Dibromoethane	ND		ug/kg	30	8.5	1
1,3-Dichloropropane	ND		ug/kg	61	5.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	15	4.0	1
Bromobenzene	ND		ug/kg	61	4.4	1
n-Butylbenzene	ND		ug/kg	30	5.1	1
sec-Butylbenzene	ND		ug/kg	30	4.5	1
tert-Butylbenzene	ND		ug/kg	61	3.6	1
o-Chlorotoluene	ND		ug/kg	61	5.8	1
p-Chlorotoluene	ND		ug/kg	61	3.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	92	30.	1
Hexachlorobutadiene	ND		ug/kg	120	5.2	1
Isopropylbenzene	ND		ug/kg	30	3.3	1
p-Isopropyltoluene	ND		ug/kg	30	3.3	1
Naphthalene	60	J	ug/kg	120	20.	1
Acrylonitrile	ND		ug/kg	120	35.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	30	5.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	61	9.8	1
1,2,4-Trichlorobenzene	ND		ug/kg	61	8.3	1
1,3,5-Trimethylbenzene	ND		ug/kg	61	5.9	1
1,2,4-Trimethylbenzene	ND		ug/kg	61	10.	1
1,4-Dioxane	ND		ug/kg	2400	1100	1
p-Diethylbenzene	ND		ug/kg	61	5.4	1
p-Ethyltoluene	ND		ug/kg	61	12.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	61	5.8	1
Ethyl ether	ND		ug/kg	61	10.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	150	43.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/06/24 21:42
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	1.9		ug/kg	0.88	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.88	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.88	0.11	1
Dibromochloromethane	ND		ug/kg	0.88	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.88	0.23	1
Tetrachloroethene	0.83		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.61	1
1,2-Dichloroethane	ND		ug/kg	0.88	0.22	1
1,1,1-Trichloroethane	3.6		ug/kg	0.44	0.15	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.88	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	0.22	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	0.88	0.48	1
Ethylbenzene	ND		ug/kg	0.88	0.12	1
Chloromethane	ND		ug/kg	3.5	0.82	1
Bromomethane	ND		ug/kg	1.8	0.51	1
Vinyl chloride	ND		ug/kg	0.88	0.29	1
Chloroethane	ND		ug/kg	1.8	0.40	1
1,1-Dichloroethene	0.71	J	ug/kg	0.88	0.21	1
trans-1,2-Dichloroethene	0.15	J	ug/kg	1.3	0.12	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04 Date Collected: 03/04/24 12:50

Client ID: EP-62 (5'BGS) Date Received: 03/04/24

Sample Location: 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	31		ug/kg	0.44	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	0.49	1
o-Xylene	ND		ug/kg	0.88	0.25	1
Xylenes, Total	ND		ug/kg	0.88	0.25	1
cis-1,2-Dichloroethene	8.1		ug/kg	0.88	0.15	1
1,2-Dichloroethene, Total	8.3	J	ug/kg	0.88	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.88	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.8	0.80	1
Acetone	ND		ug/kg	8.8	4.2	1
Carbon disulfide	ND		ug/kg	8.8	4.0	1
2-Butanone	ND		ug/kg	8.8	1.9	1
Vinyl acetate	ND		ug/kg	8.8	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.8	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	8.8	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	0.88	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.88	0.15	1
sec-Butylbenzene	ND		ug/kg	0.88	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	0.09	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	0.88	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.88	0.10	1
Naphthalene	0.75	J	ug/kg	3.5	0.57	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
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	0.88	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	0.28	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	0.29	1
1,4-Dioxane	ND		ug/kg	70	31.	1
p-Diethylbenzene	ND		ug/kg	1.8	0.15	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	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	8.02	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.08	NJ	ug/kg			1
Unknown	1.98	J	ug/kg			1
Unknown	1.96	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/08/24 10:49
Analyst: AJK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.2	1
1,1-Dichloroethane	0.18	J	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	0.79		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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05 Date Collected: 03/04/24 13:00

Client ID: EP-63 (5'BGS) Date Received: 03/04/24

Sample Location: 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	11		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	1.5		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	1.5		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:00
Date Received: 03/04/24
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	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	14.6	J	ug/kg			1
Unknown	14.6	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	119		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 22:17
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	150	69.	1
1,1-Dichloroethane	36		ug/kg	30	4.4	1
Chloroform	ND		ug/kg	45	4.2	1
Carbon tetrachloride	ND		ug/kg	30	6.9	1
1,2-Dichloropropane	ND		ug/kg	30	3.8	1
Dibromochloromethane	ND		ug/kg	30	4.2	1
1,1,2-Trichloroethane	ND		ug/kg	30	8.0	1
Tetrachloroethene	94		ug/kg	15	5.9	1
Chlorobenzene	ND		ug/kg	15	3.8	1
Trichlorofluoromethane	ND		ug/kg	120	21.	1
1,2-Dichloroethane	ND		ug/kg	30	7.8	1
1,1,1-Trichloroethane	150		ug/kg	15	5.0	1
Bromodichloromethane	ND		ug/kg	15	3.3	1
trans-1,3-Dichloropropene	ND		ug/kg	30	8.2	1
cis-1,3-Dichloropropene	ND		ug/kg	15	4.8	1
1,3-Dichloropropene, Total	ND		ug/kg	15	4.8	1
1,1-Dichloropropene	ND		ug/kg	15	4.8	1
Bromoform	ND		ug/kg	120	7.4	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	15	5.0	1
Benzene	ND		ug/kg	15	5.0	1
Toluene	ND		ug/kg	30	16.	1
Ethylbenzene	ND		ug/kg	30	4.2	1
Chloromethane	ND		ug/kg	120	28.	1
Bromomethane	ND		ug/kg	60	18.	1
Vinyl chloride	ND		ug/kg	30	10.	1
Chloroethane	ND		ug/kg	60	14.	1
1,1-Dichloroethene	ND		ug/kg	30	7.2	1
trans-1,2-Dichloroethene	ND		ug/kg	45	4.1	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06 Date Collected: 03/04/24 13:20

Client ID: EP-60 (5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1400		ug/kg	15	4.1	1
1,2-Dichlorobenzene	ND		ug/kg	60	4.3	1
1,3-Dichlorobenzene	ND		ug/kg	60	4.5	1
1,4-Dichlorobenzene	ND		ug/kg	60	5.2	1
Methyl tert butyl ether	ND		ug/kg	60	6.1	1
p/m-Xylene	ND		ug/kg	60	17.	1
o-Xylene	ND		ug/kg	30	8.8	1
Xylenes, Total	ND		ug/kg	30	8.8	1
cis-1,2-Dichloroethene	110		ug/kg	30	5.3	1
1,2-Dichloroethene, Total	110		ug/kg	30	4.1	1
Dibromomethane	ND		ug/kg	60	7.2	1
Styrene	ND		ug/kg	30	5.9	1
Dichlorodifluoromethane	ND		ug/kg	300	28.	1
Acetone	ND		ug/kg	300	140	1
Carbon disulfide	ND		ug/kg	300	140	1
2-Butanone	ND		ug/kg	300	67.	1
Vinyl acetate	ND		ug/kg	300	65.	1
4-Methyl-2-pentanone	ND		ug/kg	300	39.	1
1,2,3-Trichloropropane	ND		ug/kg	60	3.8	1
2-Hexanone	ND		ug/kg	300	36.	1
Bromochloromethane	ND		ug/kg	60	6.2	1
2,2-Dichloropropane	ND		ug/kg	60	6.1	1
1,2-Dibromoethane	ND		ug/kg	30	8.4	1
1,3-Dichloropropane	ND		ug/kg	60	5.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	15	4.0	1
Bromobenzene	ND		ug/kg	60	4.4	1
n-Butylbenzene	ND		ug/kg	30	5.0	1
sec-Butylbenzene	ND		ug/kg	30	4.4	1
tert-Butylbenzene	ND		ug/kg	60	3.6	1
o-Chlorotoluene	ND		ug/kg	60	5.8	1
p-Chlorotoluene	ND		ug/kg	60	3.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	90	30.	1
Hexachlorobutadiene	ND		ug/kg	120	5.1	1
Isopropylbenzene	ND		ug/kg	30	3.3	1
p-Isopropyltoluene	ND		ug/kg	30	3.3	1
Naphthalene	78	J	ug/kg	120	20.	1
Acrylonitrile	ND		ug/kg	120	35.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	30	5.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	60	9.7	1
1,2,4-Trichlorobenzene	ND		ug/kg	60	8.2	1
1,3,5-Trimethylbenzene	ND		ug/kg	60	5.8	1
1,2,4-Trimethylbenzene	ND		ug/kg	60	10.	1
1,4-Dioxane	ND		ug/kg	2400	1000	1
p-Diethylbenzene	ND		ug/kg	60	5.3	1
p-Ethyltoluene	ND		ug/kg	60	12.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	60	5.8	1
Ethyl ether	ND		ug/kg	60	10.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	150	43.	1
Tentatively Identified Compounds						
Total TIC Compounds	98.7	J	ug/kg			1
Unknown	98.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 20:08
Analyst: AJK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07 Date Collected: 03/04/24 13:50

Client ID: EP-21A (8'BGS) Date Received: 03/04/24

Sample Location: 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	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	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	0.92	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	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	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	35.	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/05/24 22:43
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	160	73.	1
1,1-Dichloroethane	9.2	J	ug/kg	32	4.6	1
Chloroform	ND		ug/kg	48	4.5	1
Carbon tetrachloride	ND		ug/kg	32	7.4	1
1,2-Dichloropropane	ND		ug/kg	32	4.0	1
Dibromochloromethane	ND		ug/kg	32	4.5	1
1,1,2-Trichloroethane	ND		ug/kg	32	8.5	1
Tetrachloroethene	ND		ug/kg	16	6.3	1
Chlorobenzene	ND		ug/kg	16	4.1	1
Trichlorofluoromethane	ND		ug/kg	130	22.	1
1,2-Dichloroethane	ND		ug/kg	32	8.2	1
1,1,1-Trichloroethane	37		ug/kg	16	5.3	1
Bromodichloromethane	ND		ug/kg	16	3.5	1
trans-1,3-Dichloropropene	ND		ug/kg	32	8.7	1
cis-1,3-Dichloropropene	ND		ug/kg	16	5.0	1
1,3-Dichloropropene, Total	ND		ug/kg	16	5.0	1
1,1-Dichloropropene	ND		ug/kg	16	5.1	1
Bromoform	ND		ug/kg	130	7.9	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	16	5.3	1
Benzene	ND		ug/kg	16	5.3	1
Toluene	ND		ug/kg	32	17.	1
Ethylbenzene	ND		ug/kg	32	4.5	1
Chloromethane	ND		ug/kg	130	30.	1
Bromomethane	ND		ug/kg	64	18.	1
Vinyl chloride	ND		ug/kg	32	11.	1
Chloroethane	ND		ug/kg	64	14.	1
1,1-Dichloroethene	ND		ug/kg	32	7.6	1
trans-1,2-Dichloroethene	ND		ug/kg	48	4.4	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08 Date Collected: 03/04/24 14:20

Client ID: EP-18A (6.5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	350		ug/kg	16	4.4	1
1,2-Dichlorobenzene	ND		ug/kg	64	4.6	1
1,3-Dichlorobenzene	ND		ug/kg	64	4.7	1
1,4-Dichlorobenzene	ND		ug/kg	64	5.5	1
Methyl tert butyl ether	ND		ug/kg	64	6.4	1
p/m-Xylene	ND		ug/kg	64	18.	1
o-Xylene	ND		ug/kg	32	9.3	1
Xylenes, Total	ND		ug/kg	32	9.3	1
cis-1,2-Dichloroethene	42		ug/kg	32	5.6	1
1,2-Dichloroethene, Total	42		ug/kg	32	4.4	1
Dibromomethane	ND		ug/kg	64	7.6	1
Styrene	ND		ug/kg	32	6.3	1
Dichlorodifluoromethane	ND		ug/kg	320	29.	1
Acetone	ND		ug/kg	320	150	1
Carbon disulfide	ND		ug/kg	320	140	1
2-Butanone	ND		ug/kg	320	71.	1
Vinyl acetate	ND		ug/kg	320	69.	1
4-Methyl-2-pentanone	ND		ug/kg	320	41.	1
1,2,3-Trichloropropane	ND		ug/kg	64	4.1	1
2-Hexanone	ND		ug/kg	320	38.	1
Bromochloromethane	ND		ug/kg	64	6.6	1
2,2-Dichloropropane	ND		ug/kg	64	6.4	1
1,2-Dibromoethane	ND		ug/kg	32	8.9	1
1,3-Dichloropropane	ND		ug/kg	64	5.3	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	16	4.2	1
Bromobenzene	ND		ug/kg	64	4.6	1
n-Butylbenzene	ND		ug/kg	32	5.3	1
sec-Butylbenzene	ND		ug/kg	32	4.7	1
tert-Butylbenzene	ND		ug/kg	64	3.8	1
o-Chlorotoluene	ND		ug/kg	64	6.1	1
p-Chlorotoluene	ND		ug/kg	64	3.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	96	32.	1
Hexachlorobutadiene	ND		ug/kg	130	5.4	1
Isopropylbenzene	ND		ug/kg	32	3.5	1
p-Isopropyltoluene	ND		ug/kg	32	3.5	1
Naphthalene	ND		ug/kg	130	21.	1
Acrylonitrile	ND		ug/kg	130	37.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08 Date Collected: 03/04/24 14:20

Client ID: EP-18A (6.5'BGS) Date Received: 03/04/24

Sample Location: BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	32	5.5	1
1,2,3-Trichlorobenzene	ND		ug/kg	64	10.	1
1,2,4-Trichlorobenzene	ND		ug/kg	64	8.7	1
1,3,5-Trimethylbenzene	ND		ug/kg	64	6.2	1
1,2,4-Trimethylbenzene	ND		ug/kg	64	11.	1
1,4-Dioxane	ND		ug/kg	2600	1100	1
p-Diethylbenzene	ND		ug/kg	64	5.7	1
p-Ethyltoluene	ND		ug/kg	64	12.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	64	6.1	1
Ethyl ether	ND		ug/kg	64	11.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	160	45.	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	92		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	93		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 03/08/24 10:22
Analyst: AJK
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	1.1		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	0.23	J	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	3.8		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	0.22	J	ug/kg	1.4	0.13	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08 Date Collected: 03/04/24 14:20

Client ID: EP-18A (6.5'BGS) Date Received: 03/04/24

Sample Location: 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	36		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	9.1		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	9.3	J	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 14:20
Date Received: 03/04/24
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	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						
Total TIC Compounds	13.7	J	ug/kg			1
Unknown	13.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	121		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/06/24 13:41
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09 Date Collected: 03/04/24 12:25

Client ID: FB-2024-03-04 Date Received: 03/04/24

Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-10
Client ID: TB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 00:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 03/06/24 14:07
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-10 Date Collected: 03/04/24 00:00

Client ID: TB-2024-03-04 Date Received: 03/04/24

Sample Location: 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	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-10
Client ID: TB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 00:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-04,06,08 Batch: WG1893069-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-04,06,08 Batch: WG1893069-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-04,06,08 Batch: WG1893069-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 01,03-04,06,08 Batch: WG1893069-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07 Batch: WG1893072-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07 Batch: WG1893072-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07 Batch: WG1893072-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/05/24 14:31
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07 Batch: WG1893072-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 17:51
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1893402-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 17:51
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1893402-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 17:51
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1893402-5					
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	35.2	J	ug/kg
Ethane, 1,1-Difluoro-	20.4	NJ	ug/kg
Cyclotrisiloxane, Hexamethyl-	9.91	NJ	ug/kg
Unknown	2.55	J	ug/kg
Unknown	2.36	J	ug/kg

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 17:51
Analyst: RAW

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-04 Batch: WG1893402-5					

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1893428-5					
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	2.6		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1893428-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1893428-5					
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	17.1	J	ug/kg
Unknown	11.1	J	ug/kg
Unknown	5.98	J	ug/kg

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/07/24 09:37
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1893428-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1893579-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1893579-5					
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	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1893579-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/06/24 08:29
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1893579-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/08/24 09:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1894653-5					
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	2.3		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/08/24 09:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1894653-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/08/24 09:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1894653-5					
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	25.5	J	ug/kg
Unknown	11.8	J	ug/kg
Unknown	13.7	J	ug/kg

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 03/08/24 09:28
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,08 Batch: WG1894653-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-04,06,08 Batch: WG1893069-3 WG1893069-4								
Methylene chloride	107		112		70-130	5		30
1,1-Dichloroethane	112		119		70-130	6		30
Chloroform	117		123		70-130	5		30
Carbon tetrachloride	118		125		70-130	6		30
1,2-Dichloropropane	106		110		70-130	4		30
Dibromochloromethane	110		116		70-130	5		30
1,1,2-Trichloroethane	101		106		70-130	5		30
Tetrachloroethene	117		123		70-130	5		30
Chlorobenzene	112		118		70-130	5		30
Trichlorofluoromethane	**188**	Q	**187**	Q	70-139	1		30
1,2-Dichloroethane	116		120		70-130	3		30
1,1,1-Trichloroethane	**134**	Q	**139**	Q	70-130	4		30
Bromodichloromethane	115		121		70-130	5		30
trans-1,3-Dichloropropene	103		108		70-130	5		30
cis-1,3-Dichloropropene	114		119		70-130	4		30
1,1-Dichloropropene	121		127		70-130	5		30
Bromoform	100		109		70-130	9		30
1,1,2,2-Tetrachloroethane	87		95		70-130	9		30
Benzene	117		123		70-130	5		30
Toluene	108		115		70-130	6		30
Ethylbenzene	115		120		70-130	4		30
Chloromethane	106		108		52-130	2		30
Bromomethane	**202**	Q	**204**	Q	57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-04,06,08 Batch: WG1893069-3 WG1893069-4								
Vinyl chloride	**132**	Q	**132**	Q	67-130	0		30
Chloroethane	**170**	Q	**173**	Q	50-151	2		30
1,1-Dichloroethene	128		**136**	Q	65-135	6		30
trans-1,2-Dichloroethene	121		129		70-130	6		30
Trichloroethene	**138**	Q	**141**	Q	70-130	2		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	110		115		70-130	4		30
1,4-Dichlorobenzene	108		114		70-130	5		30
Methyl tert butyl ether	107		111		66-130	4		30
p/m-Xylene	120		126		70-130	5		30
o-Xylene	116		122		70-130	5		30
cis-1,2-Dichloroethene	117		124		70-130	6		30
Dibromomethane	111		115		70-130	4		30
Styrene	117		121		70-130	3		30
Dichlorodifluoromethane	108		109		30-146	1		30
Acetone	78		90		54-140	14		30
Carbon disulfide	112		120		59-130	7		30
2-Butanone	82		82		70-130	0		30
Vinyl acetate	80		89		70-130	11		30
4-Methyl-2-pentanone	81		85		70-130	5		30
1,2,3-Trichloropropane	89		96		68-130	8		30
2-Hexanone	75		80		70-130	6		30
Bromochloromethane	116		119		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-04,06,08 Batch: WG1893069-3 WG1893069-4								
2,2-Dichloropropane	120		127		70-130	6		30
1,2-Dibromoethane	107		111		70-130	4		30
1,3-Dichloropropane	100		105		69-130	5		30
1,1,1,2-Tetrachloroethane	117		123		70-130	5		30
Bromobenzene	103		110		70-130	7		30
n-Butylbenzene	114		120		70-130	5		30
sec-Butylbenzene	114		121		70-130	6		30
tert-Butylbenzene	110		117		70-130	6		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	103		109		70-130	6		30
1,2-Dibromo-3-chloropropane	84		91		68-130	8		30
Hexachlorobutadiene	111		118		67-130	6		30
Isopropylbenzene	108		115		70-130	6		30
p-Isopropyltoluene	113		119		70-130	5		30
Naphthalene	95		101		70-130	6		30
Acrylonitrile	87		92		70-130	6		30
n-Propylbenzene	110		116		70-130	5		30
1,2,3-Trichlorobenzene	106		111		70-130	5		30
1,2,4-Trichlorobenzene	110		114		70-130	4		30
1,3,5-Trimethylbenzene	107		114		70-130	6		30
1,2,4-Trimethylbenzene	105		112		70-130	6		30
1,4-Dioxane	97		87		65-136	11		30
p-Diethylbenzene	111		117		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 01,03-04,06,08 Batch: WG1893069-3 WG1893069-4								
p-Ethyltoluene	108		114		70-130	5		30
1,2,4,5-Tetramethylbenzene	106		110		70-130	4		30
Ethyl ether	108		112		67-130	4		30
trans-1,4-Dichloro-2-butene	86		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	88		89		70-130
4-Bromofluorobenzene	86		84		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07 Batch: WG1893072-3 WG1893072-4								
Methylene chloride	107		112		70-130	5		30
1,1-Dichloroethane	112		119		70-130	6		30
Chloroform	117		123		70-130	5		30
Carbon tetrachloride	118		125		70-130	6		30
1,2-Dichloropropane	106		110		70-130	4		30
Dibromochloromethane	110		116		70-130	5		30
1,1,2-Trichloroethane	101		106		70-130	5		30
Tetrachloroethene	117		123		70-130	5		30
Chlorobenzene	112		118		70-130	5		30
Trichlorofluoromethane	**188**	Q	**187**	Q	70-139	1		30
1,2-Dichloroethane	116		120		70-130	3		30
1,1,1-Trichloroethane	**134**	Q	**139**	Q	70-130	4		30
Bromodichloromethane	115		121		70-130	5		30
trans-1,3-Dichloropropene	103		108		70-130	5		30
cis-1,3-Dichloropropene	114		119		70-130	4		30
1,1-Dichloropropene	121		127		70-130	5		30
Bromoform	100		109		70-130	9		30
1,1,2,2-Tetrachloroethane	87		95		70-130	9		30
Benzene	117		123		70-130	5		30
Toluene	108		115		70-130	6		30
Ethylbenzene	115		120		70-130	4		30
Chloromethane	106		108		52-130	2		30
Bromomethane	**202**	Q	**204**	Q	57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07 Batch: WG1893072-3 WG1893072-4								
Vinyl chloride	**132**	Q	**132**	Q	67-130	0		30
Chloroethane	**170**	Q	**173**	Q	50-151	2		30
1,1-Dichloroethene	128		**136**	Q	65-135	6		30
trans-1,2-Dichloroethene	121		129		70-130	6		30
Trichloroethene	**138**	Q	**141**	Q	70-130	2		30
1,2-Dichlorobenzene	107		112		70-130	5		30
1,3-Dichlorobenzene	110		115		70-130	4		30
1,4-Dichlorobenzene	108		114		70-130	5		30
Methyl tert butyl ether	107		111		66-130	4		30
p/m-Xylene	120		126		70-130	5		30
o-Xylene	116		122		70-130	5		30
cis-1,2-Dichloroethene	117		124		70-130	6		30
Dibromomethane	111		115		70-130	4		30
Styrene	117		121		70-130	3		30
Dichlorodifluoromethane	108		109		30-146	1		30
Acetone	78		90		54-140	14		30
Carbon disulfide	112		120		59-130	7		30
2-Butanone	82		82		70-130	0		30
Vinyl acetate	80		89		70-130	11		30
4-Methyl-2-pentanone	81		85		70-130	5		30
1,2,3-Trichloropropane	89		96		68-130	8		30
2-Hexanone	75		80		70-130	6		30
Bromochloromethane	116		119		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07 Batch: WG1893072-3 WG1893072-4								
2,2-Dichloropropane	120		127		70-130	6		30
1,2-Dibromoethane	107		111		70-130	4		30
1,3-Dichloropropane	100		105		69-130	5		30
1,1,1,2-Tetrachloroethane	117		123		70-130	5		30
Bromobenzene	103		110		70-130	7		30
n-Butylbenzene	114		120		70-130	5		30
sec-Butylbenzene	114		121		70-130	6		30
tert-Butylbenzene	110		117		70-130	6		30
o-Chlorotoluene	102		106		70-130	4		30
p-Chlorotoluene	103		109		70-130	6		30
1,2-Dibromo-3-chloropropane	84		91		68-130	8		30
Hexachlorobutadiene	111		118		67-130	6		30
Isopropylbenzene	108		115		70-130	6		30
p-Isopropyltoluene	113		119		70-130	5		30
Naphthalene	95		101		70-130	6		30
Acrylonitrile	87		92		70-130	6		30
n-Propylbenzene	110		116		70-130	5		30
1,2,3-Trichlorobenzene	106		111		70-130	5		30
1,2,4-Trichlorobenzene	110		114		70-130	4		30
1,3,5-Trimethylbenzene	107		114		70-130	6		30
1,2,4-Trimethylbenzene	105		112		70-130	6		30
1,4-Dioxane	97		87		65-136	11		30
p-Diethylbenzene	111		117		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07 Batch: WG1893072-3 WG1893072-4								
p-Ethyltoluene	108		114		70-130	5		30
1,2,4,5-Tetramethylbenzene	106		110		70-130	4		30
Ethyl ether	108		112		67-130	4		30
trans-1,4-Dichloro-2-butene	86		89		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	88		89		70-130
4-Bromofluorobenzene	86		84		70-130
Dibromofluoromethane	101		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1893402-3 WG1893402-4								
Methylene chloride	93		89		70-130	4		30
1,1-Dichloroethane	102		101		70-130	1		30
Chloroform	93		92		70-130	1		30
Carbon tetrachloride	90		90		70-130	0		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	91		90		70-130	1		30
1,1,2-Trichloroethane	92		92		70-130	0		30
Tetrachloroethene	89		88		70-130	1		30
Chlorobenzene	92		91		70-130	1		30
Trichlorofluoromethane	91		88		70-139	3		30
1,2-Dichloroethane	101		100		70-130	1		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	95		94		70-130	1		30
trans-1,3-Dichloropropene	95		94		70-130	1		30
cis-1,3-Dichloropropene	99		98		70-130	1		30
1,1-Dichloropropene	94		93		70-130	1		30
Bromoform	89		86		70-130	3		30
1,1,2,2-Tetrachloroethane	97		92		70-130	5		30
Benzene	96		94		70-130	2		30
Toluene	93		90		70-130	3		30
Ethylbenzene	94		92		70-130	2		30
Chloromethane	105		101		52-130	4		30
Bromomethane	84		82		57-147	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1893402-3 WG1893402-4								
Vinyl chloride	103		99		67-130	4		30
Chloroethane	99		95		50-151	4		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	92		91		70-130	1		30
Trichloroethene	95		94		70-130	1		30
1,2-Dichlorobenzene	92		90		70-130	2		30
1,3-Dichlorobenzene	90		90		70-130	0		30
1,4-Dichlorobenzene	90		91		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	94		93		70-130	1		30
cis-1,2-Dichloroethene	93		90		70-130	3		30
Dibromomethane	94		93		70-130	1		30
Styrene	98		97		70-130	1		30
Dichlorodifluoromethane	84		82		30-146	2		30
Acetone	**160**	Q	112		54-140	**35**	Q	30
Carbon disulfide	102		82		59-130	22		30
2-Butanone	124		109		70-130	13		30
Vinyl acetate	108		102		70-130	6		30
4-Methyl-2-pentanone	115		108		70-130	6		30
1,2,3-Trichloropropane	94		90		68-130	4		30
2-Hexanone	114		109		70-130	4		30
Bromochloromethane	94		92		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1893402-3 WG1893402-4								
2,2-Dichloropropane	95		93		70-130	2		30
1,2-Dibromoethane	95		93		70-130	2		30
1,3-Dichloropropane	94		92		69-130	2		30
1,1,1,2-Tetrachloroethane	92		92		70-130	0		30
Bromobenzene	91		88		70-130	3		30
n-Butylbenzene	94		90		70-130	4		30
sec-Butylbenzene	91		90		70-130	1		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	92		90		70-130	2		30
p-Chlorotoluene	93		91		70-130	2		30
1,2-Dibromo-3-chloropropane	91		94		68-130	3		30
Hexachlorobutadiene	94		95		67-130	1		30
Isopropylbenzene	95		88		70-130	8		30
p-Isopropyltoluene	91		90		70-130	1		30
Naphthalene	95		95		70-130	0		30
Acrylonitrile	118		111		70-130	6		30
n-Propylbenzene	93		89		70-130	4		30
1,2,3-Trichlorobenzene	105		109		70-130	4		30
1,2,4-Trichlorobenzene	98		98		70-130	0		30
1,3,5-Trimethylbenzene	92		90		70-130	2		30
1,2,4-Trimethylbenzene	92		91		70-130	1		30
1,4-Dioxane	97		92		65-136	5		30
p-Diethylbenzene	95		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-04 Batch: WG1893402-3 WG1893402-4								
p-Ethyltoluene	94		91		70-130	3		30
1,2,4,5-Tetramethylbenzene	97		95		70-130	2		30
Ethyl ether	98		95		67-130	3		30
trans-1,4-Dichloro-2-butene	114		109		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	103		100		70-130
Dibromofluoromethane	100		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

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 Batch: WG1893428-3 WG1893428-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	96		97		70-130	1		30
Carbon tetrachloride	99		102		70-130	3		30
1,2-Dichloropropane	100		102		70-130	2		30
Dibromochloromethane	102		106		70-130	4		30
1,1,2-Trichloroethane	95		95		70-130	0		30
Tetrachloroethene	111		114		70-130	3		30
Chlorobenzene	102		104		70-130	2		30
Trichlorofluoromethane	101		102		70-139	1		30
1,2-Dichloroethane	89		92		70-130	3		30
1,1,1-Trichloroethane	101		103		70-130	2		30
Bromodichloromethane	99		100		70-130	1		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	101		100		70-130	1		30
1,1-Dichloropropene	101		101		70-130	0		30
Bromoform	105		104		70-130	1		30
1,1,2,2-Tetrachloroethane	94		91		70-130	3		30
Benzene	97		100		70-130	3		30
Toluene	95		97		70-130	2		30
Ethylbenzene	101		104		70-130	3		30
Chloromethane	94		95		52-130	1		30
Bromomethane	116		117		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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 Batch: WG1893428-3 WG1893428-4								
Vinyl chloride	112		113		67-130	1		30
Chloroethane	121		121		50-151	0		30
1,1-Dichloroethene	112		112		65-135	0		30
trans-1,2-Dichloroethene	111		113		70-130	2		30
Trichloroethene	103		103		70-130	0		30
1,2-Dichlorobenzene	108		108		70-130	0		30
1,3-Dichlorobenzene	109		110		70-130	1		30
1,4-Dichlorobenzene	108		108		70-130	0		30
Methyl tert butyl ether	94		98		66-130	4		30
p/m-Xylene	97		98		70-130	1		30
o-Xylene	94		98		70-130	4		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	105		103		70-130	2		30
Styrene	95		97		70-130	2		30
Dichlorodifluoromethane	78		78		30-146	0		30
Acetone	86		79		54-140	8		30
Carbon disulfide	101		102		59-130	1		30
2-Butanone	91		92		70-130	1		30
Vinyl acetate	104		102		70-130	2		30
4-Methyl-2-pentanone	94		90		70-130	4		30
1,2,3-Trichloropropane	87		83		68-130	5		30
2-Hexanone	82		80		70-130	2		30
Bromochloromethane	113		112		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

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 Batch: WG1893428-3 WG1893428-4								
2,2-Dichloropropane	100		99		70-130	1		30
1,2-Dibromoethane	102		105		70-130	3		30
1,3-Dichloropropane	92		92		69-130	0		30
1,1,1,2-Tetrachloroethane	106		108		70-130	2		30
Bromobenzene	111		110		70-130	1		30
n-Butylbenzene	97		97		70-130	0		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	103		103		70-130	0		30
o-Chlorotoluene	97		97		70-130	0		30
p-Chlorotoluene	98		98		70-130	0		30
1,2-Dibromo-3-chloropropane	106		101		68-130	5		30
Hexachlorobutadiene	107		108		67-130	1		30
Isopropylbenzene	92		93		70-130	1		30
p-Isopropyltoluene	98		99		70-130	1		30
Naphthalene	102		98		70-130	4		30
Acrylonitrile	96		96		70-130	0		30
n-Propylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	110		109		70-130	1		30
1,2,4-Trichlorobenzene	115		114		70-130	1		30
1,3,5-Trimethylbenzene	98		99		70-130	1		30
1,2,4-Trimethylbenzene	100		100		70-130	0		30
1,4-Dioxane	104		102		65-136	2		30
p-Diethylbenzene	106		107		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

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 Batch: WG1893428-3 WG1893428-4								
p-Ethyltoluene	102		102		70-130	0		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	112		113		67-130	1		30
trans-1,4-Dichloro-2-butene	93		90		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		86		70-130
Toluene-d8	91		91		70-130
4-Bromofluorobenzene	95		89		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1893579-3 WG1893579-4								
Methylene chloride	98		98		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	98		99		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		99		70-130	1		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		110		62-150	9		20
1,2-Dichloroethane	110		100		70-130	10		20
1,1,1-Trichloroethane	110		110		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	100		97		54-136	3		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	89		91		64-130	2		20
Bromomethane	59		65		39-139	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1893579-3 WG1893579-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	100		100		55-138	0		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		100		70-130	0		20
1,2-Dichlorobenzene	99		99		70-130	0		20
1,3-Dichlorobenzene	98		99		70-130	1		20
1,4-Dichlorobenzene	98		99		70-130	1		20
Methyl tert butyl ether	100		100		63-130	0		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	105		105		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	97		93		64-130	4		20
Acrylonitrile	96		93		70-130	3		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		80		58-148	**22**	Q	20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	90		90		63-138	0		20
Vinyl acetate	**160**	Q	**150**	Q	70-130	6		20
4-Methyl-2-pentanone	95		93		59-130	2		20
2-Hexanone	92		88		57-130	4		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1893579-3 WG1893579-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	120		120		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	98		98		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	96		98		70-130	2		20
p-Chlorotoluene	99		100		70-130	1		20
1,2-Dibromo-3-chloropropane	91		94		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	98		98		70-130	0		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	98		100		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	134		132		56-162	2		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1893579-3 WG1893579-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	99		99		70-130	0		20
Ethyl ether	100		100		59-134	0		20
trans-1,4-Dichloro-2-butene	93		92		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		102		70-130
Toluene-d8	97		100		70-130
4-Bromofluorobenzene	99		98		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1894653-3 WG1894653-4								
Methylene chloride	99		98		70-130	1		30
1,1-Dichloroethane	97		96		70-130	1		30
Chloroform	98		97		70-130	1		30
Carbon tetrachloride	106		105		70-130	1		30
1,2-Dichloropropane	98		98		70-130	0		30
Dibromochloromethane	103		105		70-130	2		30
1,1,2-Trichloroethane	90		94		70-130	4		30
Tetrachloroethene	110		112		70-130	2		30
Chlorobenzene	101		103		70-130	2		30
Trichlorofluoromethane	109		111		70-139	2		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	106		105		70-130	1		30
Bromodichloromethane	102		100		70-130	2		30
trans-1,3-Dichloropropene	91		95		70-130	4		30
cis-1,3-Dichloropropene	99		99		70-130	0		30
1,1-Dichloropropene	100		98		70-130	2		30
Bromoform	101		102		70-130	1		30
1,1,2,2-Tetrachloroethane	88		86		70-130	2		30
Benzene	98		97		70-130	1		30
Toluene	91		94		70-130	3		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	96		94		52-130	2		30
Bromomethane	117		118		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1894653-3 WG1894653-4								
Vinyl chloride	110		108		67-130	2		30
Chloroethane	119		121		50-151	2		30
1,1-Dichloroethene	110		112		65-135	2		30
trans-1,2-Dichloroethene	110		113		70-130	3		30
Trichloroethene	104		103		70-130	1		30
1,2-Dichlorobenzene	106		105		70-130	1		30
1,3-Dichlorobenzene	110		108		70-130	2		30
1,4-Dichlorobenzene	106		104		70-130	2		30
Methyl tert butyl ether	97		99		66-130	2		30
p/m-Xylene	95		97		70-130	2		30
o-Xylene	92		96		70-130	4		30
cis-1,2-Dichloroethene	104		103		70-130	1		30
Dibromomethane	104		106		70-130	2		30
Styrene	93		97		70-130	4		30
Dichlorodifluoromethane	80		81		30-146	1		30
Acetone	87		84		54-140	4		30
Carbon disulfide	100		101		59-130	1		30
2-Butanone	88		90		70-130	2		30
Vinyl acetate	103		102		70-130	1		30
4-Methyl-2-pentanone	87		84		70-130	4		30
1,2,3-Trichloropropane	83		81		68-130	2		30
2-Hexanone	77		74		70-130	4		30
Bromochloromethane	115		110		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1894653-3 WG1894653-4								
2,2-Dichloropropane	101		100		70-130	1		30
1,2-Dibromoethane	99		102		70-130	3		30
1,3-Dichloropropane	86		89		69-130	3		30
1,1,1,2-Tetrachloroethane	107		109		70-130	2		30
Bromobenzene	107		105		70-130	2		30
n-Butylbenzene	94		92		70-130	2		30
sec-Butylbenzene	92		91		70-130	1		30
tert-Butylbenzene	99		97		70-130	2		30
o-Chlorotoluene	95		92		70-130	3		30
p-Chlorotoluene	95		93		70-130	2		30
1,2-Dibromo-3-chloropropane	98		97		68-130	1		30
Hexachlorobutadiene	105		104		67-130	1		30
Isopropylbenzene	87		87		70-130	0		30
p-Isopropyltoluene	94		94		70-130	0		30
Naphthalene	97		94		70-130	3		30
Acrylonitrile	96		94		70-130	2		30
n-Propylbenzene	99		95		70-130	4		30
1,2,3-Trichlorobenzene	108		105		70-130	3		30
1,2,4-Trichlorobenzene	112		108		70-130	4		30
1,3,5-Trimethylbenzene	96		95		70-130	1		30
1,2,4-Trimethylbenzene	97		97		70-130	0		30
1,4-Dioxane	98		96		65-136	2		30
p-Diethylbenzene	104		102		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,08 Batch: WG1894653-3 WG1894653-4								
p-Ethyltoluene	98		97		70-130	1		30
1,2,4,5-Tetramethylbenzene	94		89		70-130	5		30
Ethyl ether	109		112		67-130	3		30
trans-1,4-Dichloro-2-butene	92		90		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		93		70-130
Toluene-d8	90		91		70-130
4-Bromofluorobenzene	91		87		70-130
Dibromofluoromethane	108		107		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/10/24 23:35
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	82	J	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	490		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	62	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: 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	200		ug/kg	110	22.	1
Benzo(a)pyrene	210		ug/kg	150	47.	1
Benzo(b)fluoranthene	270		ug/kg	110	32.	1
Benzo(k)fluoranthene	87	J	ug/kg	110	30.	1
Chrysene	190		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	98	J	ug/kg	110	37.	1
Benzo(ghi)perylene	140	J	ug/kg	150	22.	1
Fluorene	54	J	ug/kg	190	18.	1
Phenanthrene	370		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	27.	1
Pyrene	420		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	36	J	ug/kg	190	18.	1
2-Methylnaphthalene	29	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:20
Date Received: 03/04/24
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	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	62	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1
Tentatively Identified Compounds						
Total TIC Compounds	167	J	ug/kg			1
Unknown	167	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	55		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:40
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/10/24 23:58
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	69	J	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	410		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	65	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	62.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02 Date Collected: 03/04/24 10:40

Client ID: EP-41 (5'BGS) Date Received: 03/04/24

Sample Location: 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	160		ug/kg	150	45.	1
Benzo(b)fluoranthene	200		ug/kg	110	31.	1
Benzo(k)fluoranthene	59	J	ug/kg	110	29.	1
Chrysene	150		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	83	J	ug/kg	110	36.	1
Benzo(ghi)perylene	98	J	ug/kg	150	22.	1
Fluorene	45	J	ug/kg	180	18.	1
Phenanthrene	330		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	23	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	96	J	ug/kg	150	26.	1
Pyrene	340		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	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	31	J	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	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:40
Date Received: 03/04/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	39	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	393	J	ug/kg			1
Unknown	228	J	ug/kg			1
Unknown	165	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	57		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 11:30
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 00:21
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	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	670		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	73	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: 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	280		ug/kg	110	22.	1
Benzo(a)pyrene	280		ug/kg	150	47.	1
Benzo(b)fluoranthene	340		ug/kg	110	32.	1
Benzo(k)fluoranthene	130		ug/kg	110	31.	1
Chrysene	270		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	130		ug/kg	110	37.	1
Benzo(ghi)perylene	190		ug/kg	150	22.	1
Fluorene	76	J	ug/kg	190	18.	1
Phenanthrene	510		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	48	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	150	27.	1
Pyrene	580		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	48	J	ug/kg	190	18.	1
2-Methylnaphthalene	29	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: 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	80	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1
Tentatively Identified Compounds						
Total TIC Compounds	459	J	ug/kg			1
Unknown PAH	181	J	ug/kg			1
Unknown	278	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	52		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	56		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 00:43
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	40	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	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	330		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	33	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	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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04 Date Collected: 03/04/24 12:50

Client ID: EP-62 (5'BGS) Date Received: 03/04/24

Sample Location: 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	140		ug/kg	110	21.	1
Benzo(a)pyrene	140	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	170		ug/kg	110	32.	1
Benzo(k)fluoranthene	54	J	ug/kg	110	30.	1
Chrysene	130		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	62	J	ug/kg	110	36.	1
Benzo(ghi)perylene	89	J	ug/kg	150	22.	1
Fluorene	29	J	ug/kg	190	18.	1
Phenanthrene	230		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	22	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	88	J	ug/kg	150	26.	1
Pyrene	290		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: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	57.	1
Carbazole	32	J	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	63		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	57		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 01:06
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

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	160		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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05 Date Collected: 03/04/24 13:00

Client ID: EP-63 (5'BGS) Date Received: 03/04/24

Sample Location: 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	79	J	ug/kg	110	20.	1
Benzo(a)pyrene	79	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	95	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	31	J	ug/kg	110	29.	1
Chrysene	82	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	59	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	89	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	52	J	ug/kg	140	25.	1
Pyrene	160		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:00
Date Received: 03/04/24
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	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	1810	J	ug/kg			1
Unknown	798	J	ug/kg			1
Unknown	1010	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	55		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	60		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 01:29
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	390		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	200		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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06 Date Collected: 03/04/24 13:20

Client ID: EP-60 (5'BGS) Date Received: 03/04/24

Sample Location: 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	800		ug/kg	110	20.	1
Benzo(a)pyrene	760		ug/kg	150	44.	1
Benzo(b)fluoranthene	960		ug/kg	110	31.	1
Benzo(k)fluoranthene	340		ug/kg	110	29.	1
Chrysene	750		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	360		ug/kg	110	36.	1
Benzo(ghi)perylene	480		ug/kg	150	21.	1
Fluorene	220		ug/kg	180	18.	1
Phenanthrene	1400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	130		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	490		ug/kg	150	25.	1
Pyrene	1600		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	140	J	ug/kg	180	17.	1
2-Methylnaphthalene	60	J	ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	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	28.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:20
Date Received: 03/04/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	210		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1410	J	ug/kg			1
Unknown PAH	391	J	ug/kg			1
Unknown	211	J	ug/kg			1
Unknown PAH	196	J	ug/kg			1
Unknown Ketone	150	J	ug/kg			1
Unknown PAH	460	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		25-120
Phenol-d6	52		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	52		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 13:26
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

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	26	J	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	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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07 Date Collected: 03/04/24 13:50

Client ID: EP-21A (8'BGS) Date Received: 03/04/24

Sample Location: 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	21	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	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	140	25.	1
Pyrene	26	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	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:50
Date Received: 03/04/24
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	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	59		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	52		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 03/11/24 02:14
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

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	39	J	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	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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08 Date Collected: 03/04/24 14:20

Client ID: EP-18A (6.5'BGS) Date Received: 03/04/24

Sample Location: 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	22	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	21	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	22	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	38	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	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: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 14:20
Date Received: 03/04/24
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	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	52		25-120
Phenol-d6	49		10-120
Nitrobenzene-d5	46		23-120
2-Fluorobiphenyl	50		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	47		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 03/09/24 16:36
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Tentatively Identified Compounds						
Total TIC Compounds	30.7	J	ug/l			1
Unknown Organic Acid	8.11	J	ug/l			1
Unknown Alkane	2.25	J	ug/l			1
Unknown Organic Acid	7.93	J	ug/l			1
Unknown	1.56	J	ug/l			1
Unknown	10.8	J	ug/l			1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09 Date Collected: 03/04/24 12:25

Client ID: FB-2024-03-04 Date Received: 03/04/24

Sample Location: 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	42		21-120
Phenol-d6	36		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	75		10-120
4-Terphenyl-d14	74		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/09/24 16:27
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.06	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	0.07	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	0.04	J	ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.10	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.04	J	ug/l	0.10	0.01	1
Chrysene	0.08	J	ug/l	0.10	0.01	1
Acenaphthylene	0.02	J	ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.04	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.01	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	0.05	J	ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	0.05	J	ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09 Date Collected: 03/04/24 12:25

Client ID: FB-2024-03-04 Date Received: 03/04/24

Sample Location: 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	52		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	62		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 03/11/24 19:29
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 03/07/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	41		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/08/24 13:30
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 03/07/24 14:45

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 09 Batch: WG1893478-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/08/24 07:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1893577-1					
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	43.
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	17.
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	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/08/24 07:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1893577-1					
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	27.
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	31.
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	61.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/08/24 07:13
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 03/07/24 19:02

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1893577-1					
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	83		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	97		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/09/24 14:20
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1894109-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/09/24 14:20
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1894109-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/09/24 14:20
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1894109-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	26.7	J	ug/l
Unknown	10.9	J	ug/l
Unknown Organic Acid	8.04	J	ug/l
Unknown Organic Acid	7.74	J	ug/l

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 03/09/24 14:20
Analyst: EK

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1894109-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	80		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/10/24 11:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1894110-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.03	J	ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	0.17		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 03/10/24 11:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 00:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1894110-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	37		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	70		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 09 Batch: WG1893478-2 WG1893478-3								
1,4-Dioxane	116		117		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	36		45		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1893577-2 WG1893577-3								
Acenaphthene	84		77		31-137	9		50
1,2,4-Trichlorobenzene	75		68		38-107	10		50
Hexachlorobenzene	93		87		40-140	7		50
Bis(2-chloroethyl)ether	72		66		40-140	9		50
2-Chloronaphthalene	81		74		40-140	9		50
1,2-Dichlorobenzene	74		67		40-140	10		50
1,3-Dichlorobenzene	71		62		40-140	14		50
1,4-Dichlorobenzene	72		65		28-104	10		50
3,3'-Dichlorobenzidine	71		64		40-140	10		50
2,4-Dinitrotoluene	102		92		40-132	10		50
2,6-Dinitrotoluene	93		83		40-140	11		50
Fluoranthene	83		77		40-140	8		50
4-Chlorophenyl phenyl ether	82		74		40-140	10		50
4-Bromophenyl phenyl ether	84		78		40-140	7		50
Bis(2-chloroisopropyl)ether	69		63		40-140	9		50
Bis(2-chloroethoxy)methane	78		71		40-117	9		50
Hexachlorobutadiene	78		71		40-140	9		50
Hexachlorocyclopentadiene	88		81		40-140	8		50
Hexachloroethane	73		67		40-140	9		50
Isophorone	77		70		40-140	10		50
Naphthalene	80		73		40-140	9		50
Nitrobenzene	85		76		40-140	11		50
NDPA/DPA	82		77		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1893577-2 WG1893577-3								
n-Nitrosodi-n-propylamine	75		70		32-121	7		50
Bis(2-ethylhexyl)phthalate	85		77		40-140	10		50
Butyl benzyl phthalate	88		82		40-140	7		50
Di-n-butylphthalate	85		78		40-140	9		50
Di-n-octylphthalate	83		75		40-140	10		50
Diethyl phthalate	82		76		40-140	8		50
Dimethyl phthalate	82		76		40-140	8		50
Benzo(a)anthracene	77		71		40-140	8		50
Benzo(a)pyrene	85		77		40-140	10		50
Benzo(b)fluoranthene	83		76		40-140	9		50
Benzo(k)fluoranthene	86		77		40-140	11		50
Chrysene	79		72		40-140	9		50
Acenaphthylene	80		73		40-140	9		50
Anthracene	86		80		40-140	7		50
Benzo(ghi)perylene	82		78		40-140	5		50
Fluorene	85		77		40-140	10		50
Phenanthrene	84		77		40-140	9		50
Dibenzo(a,h)anthracene	83		78		40-140	6		50
Indeno(1,2,3-cd)pyrene	82		76		40-140	8		50
Pyrene	84		77		35-142	9		50
Biphenyl	75		68		37-127	10		50
4-Chloroaniline	71		63		40-140	12		50
2-Nitroaniline	94		88		47-134	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1893577-2 WG1893577-3								
3-Nitroaniline	82		79		26-129	4		50
4-Nitroaniline	86		80		41-125	7		50
Dibenzofuran	82		76		40-140	8		50
2-Methylnaphthalene	83		76		40-140	9		50
1,2,4,5-Tetrachlorobenzene	74		67		40-117	10		50
Acetophenone	73		65		14-144	12		50
2,4,6-Trichlorophenol	84		78		30-130	7		50
p-Chloro-m-cresol	88		82		26-103	7		50
2-Chlorophenol	80		72		25-102	11		50
2,4-Dichlorophenol	84		77		30-130	9		50
2,4-Dimethylphenol	101		92		30-130	9		50
2-Nitrophenol	95		85		30-130	11		50
4-Nitrophenol	100		90		11-114	11		50
2,4-Dinitrophenol	73		77		4-130	5		50
4,6-Dinitro-o-cresol	95		92		10-130	3		50
Pentachlorophenol	88		84		17-109	5		50
Phenol	80		73		26-90	9		50
2-Methylphenol	83		75		30-130.	10		50
3-Methylphenol/4-Methylphenol	90		82		30-130	9		50
2,4,5-Trichlorophenol	86		80		30-130	7		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	81		74		40-140	9		50
Carbazole	85		78		54-128	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1893577-2 WG1893577-3								
1,4-Dioxane	50		47		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		70		25-120
Phenol-d6	75		70		10-120
Nitrobenzene-d5	82		76		23-120
2-Fluorobiphenyl	79		73		30-120
2,4,6-Tribromophenol	98		89		10-136
4-Terphenyl-d14	83		77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1894109-2 WG1894109-3								
Acenaphthene	63		71		37-111	12		30
1,2,4-Trichlorobenzene	57		65		39-98	13		30
Hexachlorobenzene	70		76		40-140	8		30
Bis(2-chloroethyl)ether	49		58		40-140	17		30
2-Chloronaphthalene	66		74		40-140	11		30
1,2-Dichlorobenzene	52		60		40-140	14		30
1,3-Dichlorobenzene	48		59		40-140	21		30
1,4-Dichlorobenzene	50		58		36-97	15		30
3,3'-Dichlorobenzidine	55		60		40-140	9		30
2,4-Dinitrotoluene	71		76		48-143	7		30
2,6-Dinitrotoluene	80		84		40-140	5		30
Fluoranthene	69		73		40-140	6		30
4-Chlorophenyl phenyl ether	69		74		40-140	7		30
4-Bromophenyl phenyl ether	73		79		40-140	8		30
Bis(2-chloroisopropyl)ether	50		58		40-140	15		30
Bis(2-chloroethoxy)methane	58		61		40-140	5		30
Hexachlorobutadiene	67		77		40-140	14		30
Hexachlorocyclopentadiene	69		81		40-140	16		30
Hexachloroethane	50		58		40-140	15		30
Isophorone	57		63		40-140	10		30
Naphthalene	59		68		40-140	14		30
Nitrobenzene	54		62		40-140	14		30
NDPA/DPA	67		73		40-140	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1894109-2 WG1894109-3								
n-Nitrosodi-n-propylamine	57		61		29-132	7		30
Bis(2-ethylhexyl)phthalate	60		68		40-140	13		30
Butyl benzyl phthalate	65		74		40-140	13		30
Di-n-butylphthalate	66		77		40-140	15		30
Di-n-octylphthalate	63		71		40-140	12		30
Diethyl phthalate	68		74		40-140	8		30
Dimethyl phthalate	75		82		40-140	9		30
Benzo(a)anthracene	65		72		40-140	10		30
Benzo(a)pyrene	65		70		40-140	7		30
Benzo(b)fluoranthene	66		71		40-140	7		30
Benzo(k)fluoranthene	66		71		40-140	7		30
Chrysene	66		71		40-140	7		30
Acenaphthylene	67		74		45-123	10		30
Anthracene	66		71		40-140	7		30
Benzo(ghi)perylene	62		70		40-140	12		30
Fluorene	64		69		40-140	8		30
Phenanthrene	66		71		40-140	7		30
Dibenzo(a,h)anthracene	66		73		40-140	10		30
Indeno(1,2,3-cd)pyrene	62		71		40-140	14		30
Pyrene	70		75		26-127	7		30
Biphenyl	67		79		40-140	16		30
4-Chloroaniline	50		53		40-140	6		30
2-Nitroaniline	72		86		52-143	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1894109-2 WG1894109-3								
3-Nitroaniline	56		63		25-145	12		30
4-Nitroaniline	65		68		51-143	5		30
Dibenzofuran	64		71		40-140	10		30
2-Methylnaphthalene	63		72		40-140	13		30
1,2,4,5-Tetrachlorobenzene	73		83		2-134	13		30
Acetophenone	56		65		39-129	15		30
2,4,6-Trichlorophenol	74		85		30-130	14		30
p-Chloro-m-cresol	66		74		23-97	11		30
2-Chlorophenol	56		60		27-123	7		30
2,4-Dichlorophenol	64		70		30-130	9		30
2,4-Dimethylphenol	57		53		30-130	7		30
2-Nitrophenol	61		66		30-130	8		30
4-Nitrophenol	52		61		10-80	16		30
2,4-Dinitrophenol	74		76		20-130	3		30
4,6-Dinitro-o-cresol	76		90		20-164	17		30
Pentachlorophenol	67		74		9-103	10		30
Phenol	35		40		12-110	13		30
2-Methylphenol	55		54		30-130	2		30
3-Methylphenol/4-Methylphenol	51		57		30-130	11		30
2,4,5-Trichlorophenol	79		85		30-130	7		30
Benzoic Acid	58		54		10-164	7		30
Benzyl Alcohol	54		60		26-116	11		30
Carbazole	65		72		55-144	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1894109-2 WG1894109-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	41		47		21-120
Phenol-d6	37		40		10-120
Nitrobenzene-d5	55		60		23-120
2-Fluorobiphenyl	65		74		15-120
2,4,6-Tribromophenol	72		79		10-120
4-Terphenyl-d14	68		74		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1894110-2 WG1894110-3								
Acenaphthene	67		75		40-140	11		40
2-Chloronaphthalene	65		73		40-140	12		40
Fluoranthene	67		72		40-140	7		40
Hexachlorobutadiene	60		73		40-140	20		40
Naphthalene	62		72		40-140	15		40
Benzo(a)anthracene	83		92		40-140	10		40
Benzo(a)pyrene	71		79		40-140	11		40
Benzo(b)fluoranthene	77		83		40-140	8		40
Benzo(k)fluoranthene	70		80		40-140	13		40
Chrysene	77		85		40-140	10		40
Acenaphthylene	67		74		40-140	10		40
Anthracene	70		78		40-140	11		40
Benzo(ghi)perylene	62		70		40-140	12		40
Fluorene	70		77		40-140	10		40
Phenanthrene	70		76		40-140	8		40
Dibenzo(a,h)anthracene	63		71		40-140	12		40
Indeno(1,2,3-cd)pyrene	70		78		40-140	11		40
Pyrene	65		70		40-140	7		40
2-Methylnaphthalene	63		71		40-140	12		40
Pentachlorophenol	70		76		40-140	8		40
Hexachlorobenzene	67		75		40-140	11		40
Hexachloroethane	57		70		40-140	20		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1894110-2 WG1894110-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		63		21-120
Phenol-d6	49		56		10-120
Nitrobenzene-d5	74		86		23-120
2-Fluorobiphenyl	65		73		15-120
2,4,6-Tribromophenol	80		88		10-120
4-Terphenyl-d14	55		60		41-149

PCBS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:09
Analyst: EMR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

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	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:40
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:17
Analyst: EMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.3	4.73	1	A
Aroclor 1221	ND		ug/kg	53.3	5.34	1	A
Aroclor 1232	ND		ug/kg	53.3	11.3	1	A
Aroclor 1242	ND		ug/kg	53.3	7.19	1	A
Aroclor 1248	ND		ug/kg	53.3	8.00	1	A
Aroclor 1254	ND		ug/kg	53.3	5.83	1	A
Aroclor 1260	ND		ug/kg	53.3	9.85	1	A
Aroclor 1262	ND		ug/kg	53.3	6.77	1	A
Aroclor 1268	ND		ug/kg	53.3	5.52	1	A
PCBs, Total	ND		ug/kg	53.3	4.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 11:30
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:25
Analyst: EMR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.6	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	ND		ug/kg	55.0	8.25	1	A
Aroclor 1254	ND		ug/kg	55.0	6.02	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	ND		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:33
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.89	1	A
Aroclor 1221	ND		ug/kg	55.0	5.52	1	A
Aroclor 1232	ND		ug/kg	55.0	11.7	1	A
Aroclor 1242	ND		ug/kg	55.0	7.42	1	A
Aroclor 1248	ND		ug/kg	55.0	8.26	1	A
Aroclor 1254	ND		ug/kg	55.0	6.02	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.99	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	ND		ug/kg	55.0	4.89	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:41
Analyst: EMR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

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	69		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:48
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.8	4.69	1	A
Aroclor 1221	ND		ug/kg	52.8	5.29	1	A
Aroclor 1232	ND		ug/kg	52.8	11.2	1	A
Aroclor 1242	ND		ug/kg	52.8	7.12	1	A
Aroclor 1248	ND		ug/kg	52.8	7.93	1	A
Aroclor 1254	ND		ug/kg	52.8	5.78	1	A
Aroclor 1260	ND		ug/kg	52.8	9.76	1	A
Aroclor 1262	ND		ug/kg	52.8	6.71	1	A
Aroclor 1268	ND		ug/kg	52.8	5.47	1	A
PCBs, Total	ND		ug/kg	52.8	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	56		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 13:56
Analyst: EMR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.72	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	7.17	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	9.83	1	A
Aroclor 1262	ND		ug/kg	53.2	6.76	1	A
Aroclor 1268	ND		ug/kg	53.2	5.51	1	A
PCBs, Total	ND		ug/kg	53.2	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 03/09/24 14:04
Analyst: EMR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.0	4.79	1	A
Aroclor 1221	ND		ug/kg	54.0	5.41	1	A
Aroclor 1232	ND		ug/kg	54.0	11.4	1	A
Aroclor 1242	ND		ug/kg	54.0	7.27	1	A
Aroclor 1248	ND		ug/kg	54.0	8.09	1	A
Aroclor 1254	ND		ug/kg	54.0	5.90	1	A
Aroclor 1260	ND		ug/kg	54.0	9.97	1	A
Aroclor 1262	ND		ug/kg	54.0	6.85	1	A
Aroclor 1268	ND		ug/kg	54.0	5.59	1	A
PCBs, Total	ND		ug/kg	54.0	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 03/08/24 09:36
Analyst: RMP

Extraction Method: EPA 3510C
Extraction Date: 03/07/24 14:19
Cleanup Method: EPA 3665A
Cleanup Date: 03/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/08/24

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	74		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/07/24 10:49
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 03/07/24 05:40
Cleanup Method: EPA 3665A
Cleanup Date: 03/07/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/07/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1893202-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 03/08/24 15:37
Analyst: AD

Extraction Method: EPA 3546
Extraction Date: 03/07/24 23:43
Cleanup Method: EPA 3665A
Cleanup Date: 03/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/08/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1893636-1						
Aroclor 1016	ND		ug/kg	46.0	4.08	A
Aroclor 1221	ND		ug/kg	46.0	4.60	A
Aroclor 1232	ND		ug/kg	46.0	9.74	A
Aroclor 1242	ND		ug/kg	46.0	6.19	A
Aroclor 1248	ND		ug/kg	46.0	6.89	A
Aroclor 1254	ND		ug/kg	46.0	5.03	A
Aroclor 1260	ND		ug/kg	46.0	8.49	A
Aroclor 1262	ND		ug/kg	46.0	5.84	A
Aroclor 1268	ND		ug/kg	46.0	4.76	A
PCBs, Total	ND		ug/kg	46.0	4.08	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1893202-2 WG1893202-3									
Aroclor 1016	93		97		40-140	4		50	A
Aroclor 1260	96		100		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		89		30-150	A
Decachlorobiphenyl	101		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		86		30-150	B
Decachlorobiphenyl	103		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1893636-2 WG1893636-3									
Aroclor 1016	82		81		40-140	1		50	A
Aroclor 1260	80		78		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		80		30-150	A
Decachlorobiphenyl	84		82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	B
Decachlorobiphenyl	85		84		30-150	B

PESTICIDES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:06
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.672	1	A
Heptachlor	ND		ug/kg	0.886	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.624	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.996	1	A
Endrin	ND		ug/kg	0.738	0.303	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.775	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.554	1	A
4,4'-DDE	4.26		ug/kg	1.77	0.410	1	B
4,4'-DDD	ND	IP	ug/kg	1.77	0.632	1	B
4,4'-DDT	14.3		ug/kg	1.77	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	B
trans-Chlordane	ND	IP	ug/kg	2.21	0.585	1	B
Chlordane	ND		ug/kg	14.8	5.87	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01 Date Collected: 03/04/24 10:20

Client ID: EP-40 (5'BGS) Date Received: 03/04/24

Sample Location: 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	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:40
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:17
Analyst: AKM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

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	0.972	J	ug/kg	1.80	0.416	1	B
4,4'-DDD	ND		ug/kg	1.80	0.642	1	A
4,4'-DDT	2.11		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	IP	ug/kg	2.25	0.594	1	B
Chlordane	ND		ug/kg	15.0	5.96	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02 Date Collected: 03/04/24 10:40

Client ID: EP-41 (5'BGS) Date Received: 03/04/24

Sample Location: 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	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 11:30
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:28
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.737	0.330	1	A
Alpha-BHC	ND		ug/kg	0.737	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	ND		ug/kg	3.32	0.995	1	A
Endrin	ND		ug/kg	0.737	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.774	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.10	0.553	1	A
4,4'-DDE	2.55		ug/kg	1.77	0.409	1	B
4,4'-DDD	ND		ug/kg	1.77	0.631	1	A
4,4'-DDT	6.43	IP	ug/kg	1.77	1.42	1	B
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.591	1	A
Endosulfan sulfate	ND		ug/kg	0.737	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.29	1	A
cis-Chlordane	ND		ug/kg	2.21	0.616	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.7	5.86	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03 Date Collected: 03/04/24 11:30

Client ID: EP-58 (5'BGS) Date Received: 03/04/24

Sample Location: 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	73		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:39
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.769	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	0.988	J	ug/kg	1.76	0.406	1	B
4,4'-DDD	ND		ug/kg	1.76	0.627	1	B
4,4'-DDT	3.15		ug/kg	1.76	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04 Date Collected: 03/04/24 12:50

Client ID: EP-62 (5'BGS) Date Received: 03/04/24

Sample Location: 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	67		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:00
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:50
Analyst: AKM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.324	1	A
Lindane	ND		ug/kg	0.690	0.308	1	A
Alpha-BHC	ND		ug/kg	0.690	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.628	1	A
Heptachlor	ND		ug/kg	0.828	0.371	1	A
Aldrin	ND		ug/kg	1.66	0.583	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.932	1	A
Endrin	ND		ug/kg	0.690	0.283	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.725	1	A
Endrin ketone	ND		ug/kg	1.66	0.426	1	A
Dieldrin	ND		ug/kg	1.04	0.518	1	A
4,4'-DDE	ND		ug/kg	1.66	0.383	1	A
4,4'-DDD	ND		ug/kg	1.66	0.591	1	A
4,4'-DDT	ND		ug/kg	1.66	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.391	1	A
Endosulfan II	ND		ug/kg	1.66	0.554	1	A
Endosulfan sulfate	ND		ug/kg	0.690	0.328	1	A
Methoxychlor	ND		ug/kg	3.11	0.966	1	A
Toxaphene	ND		ug/kg	31.1	8.70	1	A
cis-Chlordane	ND		ug/kg	2.07	0.577	1	A
trans-Chlordane	ND		ug/kg	2.07	0.547	1	A
Chlordane	ND		ug/kg	13.8	5.49	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05 Date Collected: 03/04/24 13:00

Client ID: EP-63 (5'BGS) Date Received: 03/04/24

Sample Location: 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	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 13:01
Analyst: AKM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.350	1	A
Lindane	ND		ug/kg	0.744	0.332	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.629	1	A
Heptachlor epoxide	ND		ug/kg	3.35	1.00	1	A
Endrin	ND		ug/kg	0.744	0.305	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.781	1	A
Endrin ketone	ND		ug/kg	1.78	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	3.46		ug/kg	1.78	0.413	1	B
4,4'-DDD	ND		ug/kg	1.78	0.637	1	A
4,4'-DDT	9.51		ug/kg	1.78	1.44	1	A
Endosulfan I	ND		ug/kg	1.78	0.422	1	A
Endosulfan II	ND		ug/kg	1.78	0.597	1	A
Endosulfan sulfate	ND		ug/kg	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.37	1	A
cis-Chlordane	ND		ug/kg	2.23	0.622	1	B
trans-Chlordane	ND	IP	ug/kg	2.23	0.589	1	B
Chlordane	ND		ug/kg	14.9	5.91	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06 Date Collected: 03/04/24 13:20

Client ID: EP-60 (5'BGS) Date Received: 03/04/24

Sample Location: 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	67		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:50
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 13:12
Analyst: AKM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.69	0.330	1	A
Lindane	ND		ug/kg	0.703	0.314	1	A
Alpha-BHC	ND		ug/kg	0.703	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.640	1	A
Heptachlor	ND		ug/kg	0.844	0.378	1	A
Aldrin	ND		ug/kg	1.69	0.594	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.949	1	A
Endrin	ND		ug/kg	0.703	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.738	1	A
Endrin ketone	ND		ug/kg	1.69	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.527	1	A
4,4'-DDE	ND		ug/kg	1.69	0.390	1	A
4,4'-DDD	ND		ug/kg	1.69	0.602	1	A
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	0.564	1	A
Endosulfan sulfate	ND		ug/kg	0.703	0.335	1	A
Methoxychlor	ND		ug/kg	3.16	0.984	1	A
Toxaphene	ND		ug/kg	31.6	8.86	1	A
cis-Chlordane	ND		ug/kg	2.11	0.588	1	A
trans-Chlordane	ND		ug/kg	2.11	0.557	1	A
Chlordane	ND		ug/kg	14.1	5.59	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07 Date Collected: 03/04/24 13:50

Client ID: EP-21A (8'BGS) Date Received: 03/04/24

Sample Location: 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	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 03/10/24 13:23
Analyst: AKM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

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	0.705	0.315	1	A
Alpha-BHC	ND		ug/kg	0.705	0.200	1	A
Beta-BHC	ND		ug/kg	1.69	0.642	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.596	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.952	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.740	1	A
Endrin ketone	ND		ug/kg	1.69	0.436	1	A
Dieldrin	ND		ug/kg	1.06	0.529	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.604	1	A
4,4'-DDT	ND		ug/kg	1.69	1.36	1	B
Endosulfan I	ND		ug/kg	1.69	0.400	1	A
Endosulfan II	ND		ug/kg	1.69	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.336	1	A
Methoxychlor	ND		ug/kg	3.17	0.987	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.12	0.589	1	A
trans-Chlordane	ND		ug/kg	2.12	0.558	1	A
Chlordane	ND		ug/kg	14.1	5.60	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08 Date Collected: 03/04/24 14:20

Client ID: EP-18A (6.5'BGS) Date Received: 03/04/24

Sample Location: 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	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:25
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 03/10/24 12:56
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 03/09/24 02:38

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: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09 Date Collected: 03/04/24 12:25

Client ID: FB-2024-03-04 Date Received: 03/04/24

Sample Location: 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	91		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/10/24 11:22
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1893655-1						
Delta-BHC	ND		ug/kg	1.51	0.296	A
Lindane	ND		ug/kg	0.630	0.282	A
Alpha-BHC	ND		ug/kg	0.630	0.179	A
Beta-BHC	ND		ug/kg	1.51	0.574	A
Heptachlor	ND		ug/kg	0.757	0.339	A
Aldrin	ND		ug/kg	1.51	0.533	A
Heptachlor epoxide	ND		ug/kg	2.84	0.851	A
Endrin	ND		ug/kg	0.630	0.258	A
Endrin aldehyde	ND		ug/kg	1.89	0.662	A
Endrin ketone	ND		ug/kg	1.51	0.390	A
Dieldrin	ND		ug/kg	0.946	0.473	A
4,4'-DDE	ND		ug/kg	1.51	0.350	A
4,4'-DDD	ND		ug/kg	1.51	0.540	A
4,4'-DDT	ND		ug/kg	1.51	1.22	A
Endosulfan I	ND		ug/kg	1.51	0.358	A
Endosulfan II	ND		ug/kg	1.51	0.506	A
Endosulfan sulfate	ND		ug/kg	0.630	0.300	A
Methoxychlor	ND		ug/kg	2.84	0.883	A
Toxaphene	ND		ug/kg	28.4	7.94	A
cis-Chlordane	ND		ug/kg	1.89	0.527	A
trans-Chlordane	ND		ug/kg	1.89	0.499	A
Chlordane	ND		ug/kg	12.6	5.01	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/10/24 11:22
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 03/08/24 00:43
Cleanup Method: EPA 3620B
Cleanup Date: 03/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 03/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1893655-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/08/24 11:18
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 03/08/24 02:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1893684-1						
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 03/08/24 11:18
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 03/08/24 02:58

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1893684-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1893655-2 WG1893655-3									
Delta-BHC	83		86		30-150	4		30	A
Lindane	84		85		30-150	1		30	A
Alpha-BHC	84		85		30-150	1		30	A
Beta-BHC	81		81		30-150	0		30	A
Heptachlor	92		93		30-150	1		30	A
Aldrin	83		83		30-150	0		30	A
Heptachlor epoxide	76		74		30-150	3		30	A
Endrin	87		86		30-150	1		30	A
Endrin aldehyde	81		77		30-150	5		30	A
Endrin ketone	97		98		30-150	1		30	A
Dieldrin	93		93		30-150	0		30	A
4,4'-DDE	86		87		30-150	1		30	A
4,4'-DDD	97		94		30-150	3		30	A
4,4'-DDT	114		114		30-150	0		30	A
Endosulfan I	83		84		30-150	1		30	A
Endosulfan II	89		86		30-150	3		30	A
Endosulfan sulfate	84		83		30-150	1		30	A
Methoxychlor	121		124		30-150	2		30	A
cis-Chlordane	78		79		30-150	1		30	A
trans-Chlordane	83		79		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1893655-2 WG1893655-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		73		30-150	A
Decachlorobiphenyl	79		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		81		30-150	B
Decachlorobiphenyl	101		96		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1893684-2 WG1893684-3									
Delta-BHC	69		74		30-150	8		20	A
Lindane	75		82		30-150	8		20	A
Alpha-BHC	75		81		30-150	7		20	A
Beta-BHC	87		97		30-150	10		20	A
Heptachlor	94		100		30-150	7		20	A
Aldrin	75		81		30-150	8		20	A
Heptachlor epoxide	86		94		30-150	9		20	A
Endrin	82		89		30-150	8		20	A
Endrin aldehyde	71		75		30-150	6		20	A
Endrin ketone	86		95		30-150	10		20	A
Dieldrin	82		90		30-150	9		20	A
4,4'-DDE	75		82		30-150	9		20	A
4,4'-DDD	84		90		30-150	7		20	A
4,4'-DDT	87		95		30-150	8		20	A
Endosulfan I	85		90		30-150	6		20	A
Endosulfan II	82		88		30-150	7		20	A
Endosulfan sulfate	75		82		30-150	8		20	A
Methoxychlor	110		120		30-150	9		20	A
cis-Chlordane	81		85		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1893684-2 WG1893684-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	A
Decachlorobiphenyl	76		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		65		30-150	B
Decachlorobiphenyl	61		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1893684-2 WG1893684-3									
trans-Chlordane	76		82		30-150	7		20	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		71		30-150	A
Decachlorobiphenyl	76		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		65		30-150	B
Decachlorobiphenyl	61		65		30-150	B

METALS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:20
Date Received: 03/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 87%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	6270		mg/kg	22.4	6.05	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	11.2	0.851	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.32		mg/kg	2.24	0.466	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Barium, Total	47.5		mg/kg	2.24	0.390	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.329	J	mg/kg	1.12	0.074	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Cadmium, Total	0.224	J	mg/kg	2.24	0.220	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Calcium, Total	9690		mg/kg	22.4	7.84	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Chromium, Total	12.4		mg/kg	2.24	0.215	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.56		mg/kg	4.48	0.372	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Copper, Total	35.6		mg/kg	2.24	0.578	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Iron, Total	10500		mg/kg	11.2	2.02	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Lead, Total	48.7		mg/kg	11.2	0.600	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Magnesium, Total	2830		mg/kg	22.4	3.45	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Manganese, Total	339		mg/kg	2.24	0.356	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Mercury, Total	0.087		mg/kg	0.074	0.049	1	03/07/24 09:15	03/08/24 17:57	EPA 7471B	1,7471B	MJR
Nickel, Total	9.79		mg/kg	5.60	0.542	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Potassium, Total	613		mg/kg	560	32.3	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.48	0.578	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.12	0.634	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Sodium, Total	275	J	mg/kg	448	7.06	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.48	0.706	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Vanadium, Total	14.7		mg/kg	2.24	0.455	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC
Zinc, Total	77.2		mg/kg	11.2	0.656	5	03/07/24 07:00	03/07/24 17:36	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 10:40
Date Received: 03/04/24
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	6370		mg/kg	21.8	5.89	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.9	0.829	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.64		mg/kg	2.18	0.454	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Barium, Total	34.8		mg/kg	2.18	0.380	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.331	J	mg/kg	1.09	0.072	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.18	0.214	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Calcium, Total	2530		mg/kg	21.8	7.64	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Chromium, Total	13.1		mg/kg	2.18	0.209	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Cobalt, Total	5.04		mg/kg	4.36	0.362	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Copper, Total	14.4		mg/kg	2.18	0.563	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Iron, Total	11700		mg/kg	10.9	1.97	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Lead, Total	22.9		mg/kg	10.9	0.585	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Magnesium, Total	2490		mg/kg	21.8	3.36	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Manganese, Total	394		mg/kg	2.18	0.347	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Mercury, Total	0.188		mg/kg	0.072	0.047	1	03/07/24 09:15	03/08/24 18:17	EPA 7471B	1,7471B	MJR
Nickel, Total	11.2		mg/kg	5.45	0.528	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Potassium, Total	752		mg/kg	545	31.4	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.36	0.563	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.09	0.617	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Sodium, Total	153	J	mg/kg	436	6.87	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.36	0.687	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Vanadium, Total	15.8		mg/kg	2.18	0.443	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC
Zinc, Total	37.1		mg/kg	10.9	0.639	5	03/07/24 07:00	03/07/24 17:23	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 11:30
Date Received: 03/04/24
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	6130		mg/kg	22.0	5.94	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	11.0	0.837	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.97		mg/kg	2.20	0.458	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Barium, Total	46.6		mg/kg	2.20	0.383	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.329	J	mg/kg	1.10	0.073	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.20	0.216	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Calcium, Total	6410		mg/kg	22.0	7.71	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Chromium, Total	11.5		mg/kg	2.20	0.211	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.28	J	mg/kg	4.40	0.366	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Copper, Total	28.6		mg/kg	2.20	0.568	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Iron, Total	10500		mg/kg	11.0	1.99	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Lead, Total	50.1		mg/kg	11.0	0.590	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Magnesium, Total	2210		mg/kg	22.0	3.39	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Manganese, Total	344		mg/kg	2.20	0.350	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Mercury, Total	0.096		mg/kg	0.072	0.047	1	03/07/24 09:15	03/08/24 18:21	EPA 7471B	1,7471B	MJR
Nickel, Total	9.09		mg/kg	5.50	0.533	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Potassium, Total	557		mg/kg	550	31.7	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.40	0.568	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.10	0.623	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Sodium, Total	774		mg/kg	440	6.94	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.40	0.694	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Vanadium, Total	13.6		mg/kg	2.20	0.447	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC
Zinc, Total	70.8		mg/kg	11.0	0.645	5	03/07/24 07:00	03/07/24 17:27	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:50
Date Received: 03/04/24
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	5850		mg/kg	21.8	5.90	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.9	0.830	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.57		mg/kg	2.18	0.454	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Barium, Total	36.2		mg/kg	2.18	0.380	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.318	J	mg/kg	1.09	0.072	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.18	0.214	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Calcium, Total	6840		mg/kg	21.8	7.64	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Chromium, Total	11.4		mg/kg	2.18	0.210	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.85	J	mg/kg	4.37	0.362	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Copper, Total	20.5		mg/kg	2.18	0.563	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Iron, Total	10000		mg/kg	10.9	1.97	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Lead, Total	32.7		mg/kg	10.9	0.585	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Magnesium, Total	2380		mg/kg	21.8	3.36	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Manganese, Total	304		mg/kg	2.18	0.347	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Mercury, Total	0.073		mg/kg	0.071	0.046	1	03/07/24 09:15	03/08/24 18:24	EPA 7471B	1,7471B	MJR
Nickel, Total	9.64		mg/kg	5.46	0.528	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Potassium, Total	562		mg/kg	546	31.4	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Selenium, Total	0.591	J	mg/kg	4.37	0.563	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.09	0.618	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Sodium, Total	313	J	mg/kg	437	6.88	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.37	0.688	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Vanadium, Total	13.8		mg/kg	2.18	0.443	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC
Zinc, Total	50.6		mg/kg	10.9	0.640	5	03/07/24 07:00	03/07/24 17:32	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:00
Date Received: 03/04/24
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	5100		mg/kg	21.2	5.73	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.6	0.807	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.23	J	mg/kg	2.12	0.442	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Barium, Total	26.5		mg/kg	2.12	0.370	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.223	J	mg/kg	1.06	0.070	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.12	0.208	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Calcium, Total	615		mg/kg	21.2	7.43	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Chromium, Total	9.10		mg/kg	2.12	0.204	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.19	J	mg/kg	4.25	0.352	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Copper, Total	3.99		mg/kg	2.12	0.548	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Iron, Total	8480		mg/kg	10.6	1.92	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Lead, Total	4.60	J	mg/kg	10.6	0.569	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Magnesium, Total	1330		mg/kg	21.2	3.27	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Manganese, Total	241		mg/kg	2.12	0.338	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.070	0.046	1	03/07/24 09:15	03/08/24 18:27	EPA 7471B	1,7471B	MJR
Nickel, Total	5.93		mg/kg	5.31	0.514	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Potassium, Total	258	J	mg/kg	531	30.6	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.25	0.548	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.06	0.601	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Sodium, Total	99.8	J	mg/kg	425	6.69	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.25	0.669	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Vanadium, Total	10.8		mg/kg	2.12	0.431	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC
Zinc, Total	15.4		mg/kg	10.6	0.622	5	03/07/24 07:00	03/07/24 18:08	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:20
Date Received: 03/04/24
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	6560		mg/kg	21.3	5.74	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Antimony, Total	0.841	J	mg/kg	10.6	0.808	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Arsenic, Total	5.16		mg/kg	2.13	0.442	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Barium, Total	53.3		mg/kg	2.13	0.370	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.354	J	mg/kg	1.06	0.070	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.13	0.208	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Calcium, Total	10900		mg/kg	21.3	7.44	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Chromium, Total	15.1		mg/kg	2.13	0.204	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.65		mg/kg	4.25	0.353	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Copper, Total	21.6		mg/kg	2.13	0.548	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Iron, Total	11700		mg/kg	10.6	1.92	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Lead, Total	66.1		mg/kg	10.6	0.570	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Magnesium, Total	2820		mg/kg	21.3	3.27	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Manganese, Total	314		mg/kg	2.13	0.338	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Mercury, Total	0.117		mg/kg	0.071	0.046	1	03/07/24 09:15	03/08/24 18:30	EPA 7471B	1,7471B	MJR
Nickel, Total	10.6		mg/kg	5.32	0.514	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Potassium, Total	702		mg/kg	532	30.6	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Selenium, Total	0.733	J	mg/kg	4.25	0.548	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.06	0.602	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Sodium, Total	200	J	mg/kg	425	6.70	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.25	0.670	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Vanadium, Total	16.6		mg/kg	2.13	0.432	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC
Zinc, Total	80.7		mg/kg	10.6	0.623	5	03/07/24 07:00	03/07/24 18:12	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 13:50
Date Received: 03/04/24
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	2120		mg/kg	20.9	5.64	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.4	0.793	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.62		mg/kg	2.09	0.434	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Barium, Total	6.33		mg/kg	2.09	0.363	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.160	J	mg/kg	1.04	0.069	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.09	0.205	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Calcium, Total	2520		mg/kg	20.9	7.31	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Chromium, Total	5.29		mg/kg	2.09	0.200	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Cobalt, Total	2.15	J	mg/kg	4.18	0.347	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Copper, Total	3.64		mg/kg	2.09	0.539	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Iron, Total	7020		mg/kg	10.4	1.88	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Lead, Total	3.66	J	mg/kg	10.4	0.560	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Magnesium, Total	1180		mg/kg	20.9	3.22	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Manganese, Total	100		mg/kg	2.09	0.332	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.069	0.045	1	03/07/24 09:15	03/08/24 18:34	EPA 7471B	1,7471B	MJR
Nickel, Total	5.11	J	mg/kg	5.22	0.505	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Potassium, Total	324	J	mg/kg	522	30.1	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.18	0.539	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.04	0.591	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Sodium, Total	61.8	J	mg/kg	418	6.58	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.18	0.658	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Vanadium, Total	8.13		mg/kg	2.09	0.424	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC
Zinc, Total	13.5		mg/kg	10.4	0.612	5	03/07/24 07:00	03/07/24 18:16	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY
Date Collected: 03/04/24 14:20
Date Received: 03/04/24
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	6070		mg/kg	21.2	5.73	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	10.6	0.806	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.57	J	mg/kg	2.12	0.441	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Barium, Total	33.3		mg/kg	2.12	0.369	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.302	J	mg/kg	1.06	0.070	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	2.12	0.208	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Calcium, Total	1430		mg/kg	21.2	7.42	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Chromium, Total	9.83		mg/kg	2.12	0.204	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.78	J	mg/kg	4.24	0.352	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Copper, Total	7.50		mg/kg	2.12	0.547	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Iron, Total	9010		mg/kg	10.6	1.92	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Lead, Total	11.6		mg/kg	10.6	0.568	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Magnesium, Total	1760		mg/kg	21.2	3.26	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Manganese, Total	377		mg/kg	2.12	0.337	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.071	0.046	1	03/07/24 09:15	03/08/24 18:37	EPA 7471B	1,7471B	MJR
Nickel, Total	7.67		mg/kg	5.30	0.513	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Potassium, Total	383	J	mg/kg	530	30.5	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	4.24	0.547	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	1.06	0.600	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Sodium, Total	108	J	mg/kg	424	6.68	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	4.24	0.668	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Vanadium, Total	12.1		mg/kg	2.12	0.430	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC
Zinc, Total	23.3		mg/kg	10.6	0.621	5	03/07/24 07:00	03/07/24 18:21	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2411582
Project Number: 41.0163097.00
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-09
Client ID: FB-2024-03-04
Sample Location: BRONX, NY
Date Collected: 03/04/24 12:25
Date Received: 03/04/24
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	ND		mg/l	0.100	0.0318	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Calcium, Total	ND		mg/l	0.100	0.0350	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/12/24 18:53	03/13/24 08:37	EPA 7470A	1,7470A	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Potassium, Total	ND		mg/l	2.50	0.237	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Sodium, Total	ND		mg/l	2.00	0.120	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC
Zinc, Total	ND		mg/l	0.0500	0.0021	1	03/06/24 11:46	03/07/24 16:06	EPA 3005A	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

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): 09 Batch: WG1892215-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Antimony, Total	ND		mg/l	0.0500	0.0071	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Barium, Total	ND		mg/l	0.0100	0.0021	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Calcium, Total	ND		mg/l	0.100	0.0350	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Chromium, Total	ND		mg/l	0.0100	0.0021	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Copper, Total	ND		mg/l	0.0100	0.0022	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Iron, Total	ND		mg/l	0.0500	0.0090	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Lead, Total	ND		mg/l	0.0100	0.0027	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Magnesium, Total	ND		mg/l	0.100	0.0153	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Manganese, Total	ND		mg/l	0.0100	0.0016	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Nickel, Total	ND		mg/l	0.0250	0.0024	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Potassium, Total	ND		mg/l	2.50	0.237	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Selenium, Total	ND		mg/l	0.0100	0.0035	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Silver, Total	ND		mg/l	0.0070	0.0028	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Sodium, Total	ND		mg/l	2.00	0.120	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Thallium, Total	ND		mg/l	0.0200	0.0025	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL
Zinc, Total	ND		mg/l	0.0500	0.0021	1	03/06/24 11:46	03/06/24 16:23	1,6010D	DHL

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1893197-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Antimony, Total	0.165	J	mg/kg	2.00	0.152	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Arsenic, Total	0.143	J	mg/kg	0.400	0.083	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC

Project Name: SA 101 EAST 150TH **Lab Number:** L2411582

Project Number: 41.0163097.00 **Report Date:** 03/13/24

Method Blank Analysis
Batch Quality Control

Barium, Total	ND		mg/kg	0.400	0.070	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Calcium, Total	ND		mg/kg	4.00	1.40	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Chromium, Total	0.069	J	mg/kg	0.400	0.038	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Iron, Total	7.89		mg/kg	2.00	0.361	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Nickel, Total	0.106	J	mg/kg	1.00	0.097	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Sodium, Total	ND		mg/kg	80.0	1.26	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	03/07/24 07:00	03/07/24 17:14	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	03/07/24 07:00	03/07/24 17:14	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): 01-08 Batch: WG1893199-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	03/07/24 09:15	03/08/24 17:51	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2411582
Report Date: 03/13/24

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): 09 Batch: WG1895366-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	03/12/24 18:53	03/13/24 08:20	1,7470A	GMG

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1892215-2								
Aluminum, Total	98		-		80-120	-		
Antimony, Total	94		-		80-120	-		
Arsenic, Total	93		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	100		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	102		-		80-120	-		
Cobalt, Total	102		-		80-120	-		
Copper, Total	104		-		80-120	-		
Iron, Total	102		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	104		-		80-120	-		
Manganese, Total	99		-		80-120	-		
Nickel, Total	103		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	98		-		80-120	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	104		-		80-120	-		
Thallium, Total	100		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1892215-2					
Zinc, Total	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1893197-2 SRM Lot Number: D123-540					
Aluminum, Total	62	-	53-147	-	
Antimony, Total	183	-	2-201	-	
Arsenic, Total	112	-	82-118	-	
Barium, Total	101	-	82-118	-	
Beryllium, Total	108	-	83-117	-	
Cadmium, Total	113	-	83-118	-	
Calcium, Total	111	-	82-118	-	
Chromium, Total	112	-	81-118	-	
Cobalt, Total	115	-	83-117	-	
Copper, Total	108	-	83-117	-	
Iron, Total	96	-	58-142	-	
Lead, Total	115	-	82-119	-	
Magnesium, Total	94	-	75-124	-	
Manganese, Total	114	-	81-119	-	
Nickel, Total	114	-	82-118	-	
Potassium, Total	78	-	72-128	-	
Selenium, Total	113	-	81-119	-	
Silver, Total	115	-	79-120	-	
Sodium, Total	110	-	74-126	-	
Thallium, Total	106	-	81-120	-	
Vanadium, Total	111	-	78-122	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1893197-2 SRM Lot Number: D123-540					
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1893199-2 SRM Lot Number: D123-540					
Mercury, Total	86	-	67-132	-	
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1895366-2					
Mercury, Total	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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): 09 QC Batch ID: WG1892215-3 QC Sample: L2410730-02 Client ID: MS Sample												
Aluminum, Total	ND	2	2.01	100		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.482	96		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.120	100		-	-		75-125	-		20
Barium, Total	0.024	2	2.02	100		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0512	102		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0529	100		-	-		75-125	-		20
Calcium, Total	13.3	10	23.1	98		-	-		75-125	-		20
Chromium, Total	ND	0.2	0.207	104		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.514	103		-	-		75-125	-		20
Copper, Total	0.002J	0.25	0.266	106		-	-		75-125	-		20
Iron, Total	ND	1	1.02	102		-	-		75-125	-		20
Lead, Total	ND	0.53	0.524	99		-	-		75-125	-		20
Magnesium, Total	4.01	10	14.2	102		-	-		75-125	-		20
Manganese, Total	0.0938	0.5	0.592	100		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.519	104		-	-		75-125	-		20
Potassium, Total	2.33J	10	12.6	**126**	Q	-	-		75-125	-		20
Selenium, Total	ND	0.12	0.125	104		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0528	106		-	-		75-125	-		20
Sodium, Total	62.7	10	72.0	93		-	-		75-125	-		20
Thallium, Total	0.003J	0.12	0.120	100		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.527	105		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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): 09 QC Batch ID: WG1892215-3 QC Sample: L2410730-02 Client ID: MS Sample									
Zinc, Total	0.004J	0.5	0.512	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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): 01-08 QC Batch ID: WG1893197-3 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)										
Aluminum, Total	6270	181	7050	**432**	Q	-	-	75-125	-	20
Antimony, Total	ND	45.2	45.8	101		-	-	75-125	-	20
Arsenic, Total	3.32	10.8	14.1	99		-	-	75-125	-	20
Barium, Total	47.5	181	230	101		-	-	75-125	-	20
Beryllium, Total	0.329J	4.52	5.04	112		-	-	75-125	-	20
Cadmium, Total	0.224J	4.79	5.56	116		-	-	75-125	-	20
Calcium, Total	9690	903	8190	**0**	Q	-	-	75-125	-	20
Chromium, Total	12.4	18.1	32.2	110		-	-	75-125	-	20
Cobalt, Total	4.56	45.2	53.1	107		-	-	75-125	-	20
Copper, Total	35.6	22.6	59.8	107		-	-	75-125	-	20
Iron, Total	10500	90.3	11700	**1330**	Q	-	-	75-125	-	20
Lead, Total	48.7	47.9	98.2	103		-	-	75-125	-	20
Magnesium, Total	2830	903	3560	81		-	-	75-125	-	20
Manganese, Total	339	45.2	442	**228**	Q	-	-	75-125	-	20
Nickel, Total	9.79	45.2	59.2	109		-	-	75-125	-	20
Potassium, Total	613	903	1730	124		-	-	75-125	-	20
Selenium, Total	ND	10.8	10.7	99		-	-	75-125	-	20
Silver, Total	ND	4.52	4.81	106		-	-	75-125	-	20
Sodium, Total	275J	903	1180	**131**	Q	-	-	75-125	-	20
Thallium, Total	ND	10.8	11.2	103		-	-	75-125	-	20
Vanadium, Total	14.7	45.2	63.5	108		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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): 01-08 QC Batch ID: WG1893197-3 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)										
Zinc, Total	77.2	45.2	245	**372**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1893199-3 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)										
Mercury, Total	0.087	1.47	1.47	94		-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1895366-3 QC Sample: L2412424-07 Client ID: MS Sample										
Mercury, Total	ND	0.005	0.00491	98		-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1892215-4 QC Sample: L2410730-02 Client ID: DUP Sample						
Iron, Total	ND	0.421	mg/l	NC		20
Manganese, Total	0.0938	0.0948	mg/l	1		20
Sodium, Total	62.7	62.9	mg/l	0		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1893197-4 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)					
Aluminum, Total	6270	6130	mg/kg	2	20
Antimony, Total	ND	ND	mg/kg	NC	20
Arsenic, Total	3.32	3.54	mg/kg	6	20
Barium, Total	47.5	45.9	mg/kg	3	20
Beryllium, Total	0.329J	0.351J	mg/kg	NC	20
Cadmium, Total	0.224J	ND	mg/kg	NC	20
Calcium, Total	9690	8690	mg/kg	11	20
Chromium, Total	12.4	12.0	mg/kg	3	20
Cobalt, Total	4.56	4.25J	mg/kg	NC	20
Copper, Total	35.6	31.5	mg/kg	12	20
Iron, Total	10500	10800	mg/kg	3	20
Lead, Total	48.7	50.5	mg/kg	4	20
Magnesium, Total	2830	2560	mg/kg	10	20
Manganese, Total	339	329	mg/kg	3	20
Nickel, Total	9.79	9.50	mg/kg	3	20
Potassium, Total	613	581	mg/kg	5	20
Selenium, Total	ND	ND	mg/kg	NC	20
Silver, Total	ND	ND	mg/kg	NC	20
Sodium, Total	275J	265J	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1893197-4 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	14.7	14.7	mg/kg	0	20
Zinc, Total	77.2	68.1	mg/kg	13	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1893199-4 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)					
Mercury, Total	0.087	0.093	mg/kg	6	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1895366-4 QC Sample: L2412424-07 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2411582
Report Date: 03/13/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-08 QC Batch ID: WG1893197-6 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)						
Aluminum, Total	6270	5710	mg/kg	9		20
Calcium, Total	9690	8890	mg/kg	8		20
Iron, Total	10500	9920	mg/kg	6		20
Magnesium, Total	2830	2480	mg/kg	12		20
Manganese, Total	339	310	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-01
Client ID: EP-40 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:20
Date Received: 03/04/24
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	86.9		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-02
Client ID: EP-41 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 10:40
Date Received: 03/04/24
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	87.8		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-03
Client ID: EP-58 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 11:30
Date Received: 03/04/24
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	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-04
Client ID: EP-62 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 12:50
Date Received: 03/04/24
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	88.8		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-05
Client ID: EP-63 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:00
Date Received: 03/04/24
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	92.1		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-06
Client ID: EP-60 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:20
Date Received: 03/04/24
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	88.6		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-07
Client ID: EP-21A (8'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 13:50
Date Received: 03/04/24
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	91.4		%	0.100	NA	1	-	03/05/24 08:32	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

SAMPLE RESULTS

Lab ID: L2411582-08
Client ID: EP-18A (6.5'BGS)
Sample Location: BRONX, NY

Date Collected: 03/04/24 14:20
Date Received: 03/04/24
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	-	03/05/24 08:32	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2411582

Report Date: 03/13/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1892229-1 QC Sample: L2411582-01 Client ID: EP-40 (5'BGS)						
Solids, Total	86.9	86.8	%	0		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

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(*)
L2411582-01A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2411582-01B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2411582-01C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2411582-01D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2411582-01F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-02A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2411582-02B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-02C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-02D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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),ZN-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2411582-02F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-03A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-03B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-03C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-03D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2411582-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2411582-03F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-04A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-04B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-04C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-04D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-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)
L2411582-04F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-05A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2411582-05B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-05C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-05D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-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),NA-TI(180),K-TI(180)
L2411582-05F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-06A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2411582-06B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-06C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-06D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2411582-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-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)
L2411582-06F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-07A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260HLW(14)
L2411582-07B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-07C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260HLW(14)
L2411582-07D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-07E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	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),CU-TI(180),ZN-TI(180),PB-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),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2411582-07F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-08A	Vial MeOH preserved	B	NA		3.0	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-08B	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-08C	Vial water preserved	B	NA		3.0	Y	Absent	05-MAR-24 01:31	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2411582-08D	Plastic 120ml unpreserved	B	NA		3.0	Y	Absent		TS(7)
L2411582-08E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2411582-08F	Glass 250ml/8oz unpreserved	B	NA		3.0	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2411582-09A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2411582-09B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2411582-09C	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2411582-09D	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2411582-09E	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2411582-09F	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2411582
Report Date: 03/13/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2411582-09G	Amber 120ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2411582-09H	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2411582-09J	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2411582-09K	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2411582-09L	Amber 250ml unpreserved	A	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2411582-09M	Plastic 250ml HNO3 preserved	A	<2	<2	3.0	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),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),HG-T(28),FE-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2411582-10A	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)
L2411582-10B	Vial HCl preserved	A	NA		3.0	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2411582
Project Number:	41.0163097.00	**Report Date:**	03/13/24

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, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 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, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 03/05/24

ALPHA Job #: L2411582

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-492-1059
Fax:
Email: Rainbill.Manigue2@gza.com

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #)
Project Manager: Rainbill Manigue2
ALPHAQuote #:

Turn-Around Time

Standard [X] Due Date:
Rush (only if pre approved) [ ] # of Days:

These samples have been previously analyzed by Alpha [ ]

Other project specific requirements/comments:

Please specify Metals or TAL.

Deliverables

[ ] ASP-A [X] ASP-B
[ ] EQuIS (1 File) [ ] EQuIS (4 File)
[ ] Other

Regulatory Requirement

[ ] NY TOGS [ ] NY Part 375
[ ] AWQ Standards [ ] NY CP 51
[X] NY Restricted Use [ ] Other:
[ ] NY Unrestricted Use
[ ] NYC Sewer Discharge

Billing Information

[X] Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
[ ] NJ [ ] NY
[ ] Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082A	1,4-Dioxane				Total Bottle
1582-01	EP-40 (5' bgs)	3/4/24	10:20	S	JN	X	X	X	X	X				
-02	EP-41 (5' bgs)	"	10:40	"	"	"	"	"	"	"				
-03	EP-38 (5' bgs)		11:30											
-04	EP-62 (5' bgs)		12:30											
-05	EP-63 (5' bgs)		13:00											
-06	EP-60 (5' bgs)		13:20											
-07	EP-21A (5' bgs)		13:50											
-08	EP-18A (6.5' bgs)		14:20	✓										
-09	FB-2024-03-04		12:35	W										
-10	TB-2024-03-04	✓	12:25	W	✓	✓	✓	✓	✓	✓				
	Container Type					V	G	G	G	G				
	Preservative							A	A					

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

Sample Specific Comments

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
Jazlyn Natalie (GZA)	03/4/24 14:52	Alex Pace	3/4/24 145
Alex Pace	3/4/24 1810		3/4/24 18:35
	3/4/24		3/4 22:00
	3/5 0:15		3/5/24 0015

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

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

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GEOTECHNICAL
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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Stephen M. Kline, P.E.

Date: April 30, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on **Drawing 1** – IRM Endpoint Sample Results Map (see attached).

On February 14, 2024, the NYSDEC recommended that additional excavation be performed at EP-60 and EP-64, and that additional endpoint delineation samples be collected after over-excavating these areas. These additional endpoint samples are designated EP-60A and EP-64.

On April 8, 2024, GZA collected EP-41, EP-59, EP-61, at 5.5 feet below ground surface (bgs). Additional excavations were performed, and EP-60A and EP-64 were collected at 6 and 5.5 feet bgs, respectively. The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Sample

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). This memorandum also transmits to the NYSDEC the laboratory report (Project ID No. L2418995) that were prepared by Alpha Analytical Laboratories (a subsidiary of Pace Analytical Laboratories) of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see **Attachment A**).

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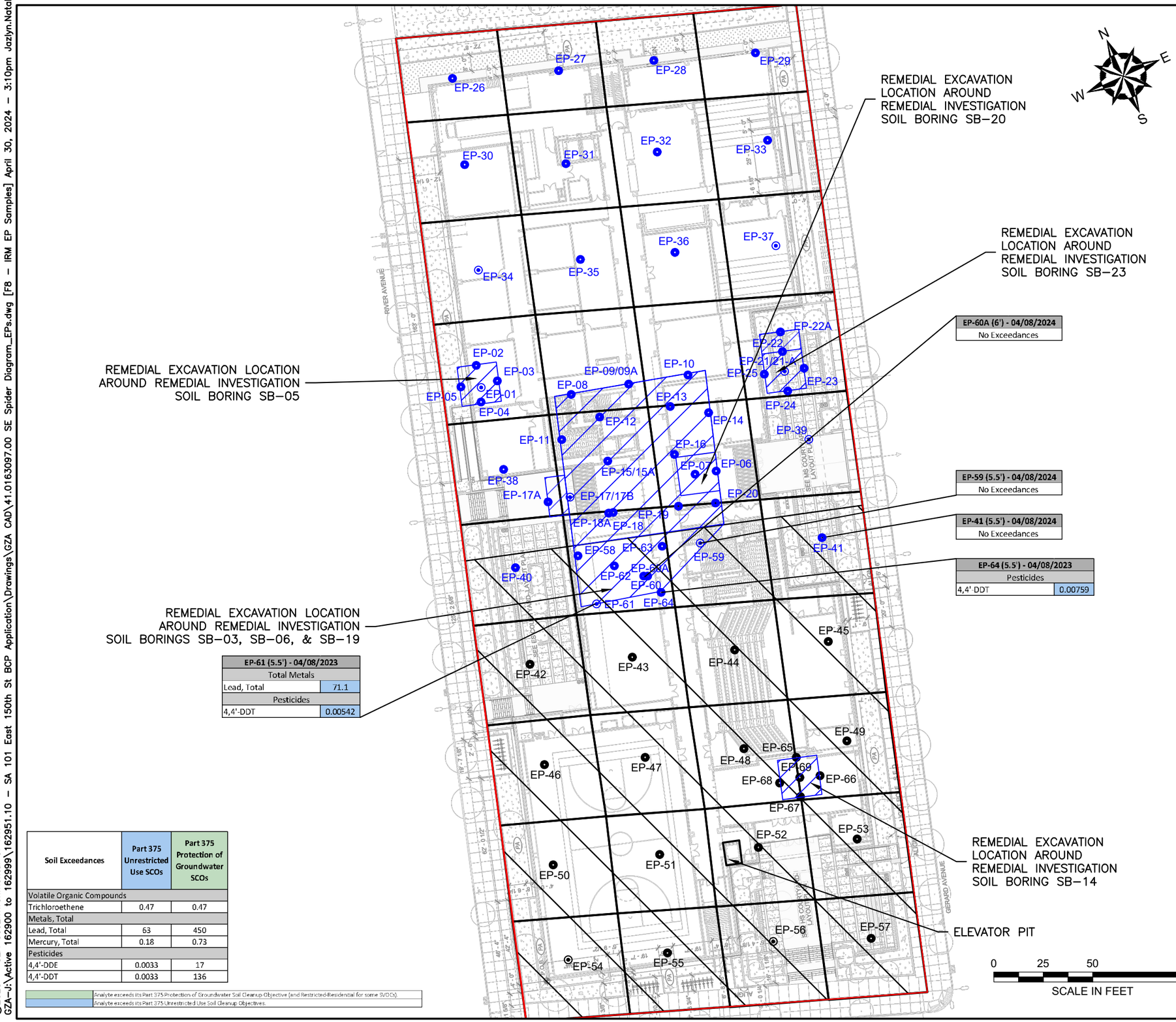
FIGURES



REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–20

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–23

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–05

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORINGS SB–03, SB–06, & SB–19

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–14

ELEVATOR PIT

EP-60A (6') - 04/08/2024
No Exceedances

EP-59 (5.5') - 04/08/2024
No Exceedances

EP-41 (5.5') - 04/08/2024
No Exceedances

EP-64 (5.5') - 04/08/2023	
Pesticides	
4,4'-DDT	0.00759

EP-61 (5.5') - 04/08/2023	
Total Metals	
Lead, Total	71.1
Pesticides	
4,4'-DDT	0.00542

Soil Exceedances	Part 375 Unrestricted Use SCOs	Part 375 Protection of Groundwater SCOs
Volatile Organic Compounds		
Trichloroethene	0.47	0.47
Metals, Total		
Lead, Total	63	450
Mercury, Total	0.18	0.73
Pesticides		
4,4'-DDE	0.0033	17
4,4'-DDT	0.0033	136

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).

Analyte exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

0 25 50 100

SCALE IN FEET

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SITE – LAYOUT PLAN", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 05–26–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE – SOUTHERN EXTENT
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- EP-02 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-01 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (APRIL 8, 2024)

PREPARED BY:	PREPARED FOR:		
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	586 RIVER AVE., LLC		
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	1
DATE: APRIL 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 SE Spider Diagram_EPs.dwg [F8 – IRM EP Samples] April 30, 2024 – 3:10pm Jazlyn.Natalie

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-59		EP-64		EP-61		EP-60A	
LAB SAMPLE ID				L2418995-01		L2418995-02		L2418995-03		L2418995-04		L2418995-05	
DATE				4/8/2024		4/8/2024		4/8/2024		4/8/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)													
1,1,1,2-Tetrachloroethane	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00091		0.0037		0.00041	J	0.0057		0.0011	
1,1,2,2-Tetrachloroethane	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
1,1,2-Trichloroethane	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
1,1-Dichloroethane	0.27	26	0.27	0.00044	J	0.0013		0.00016	J	0.0024		0.00025	J
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.00047	J	0.001	U	0.0006	J	0.00086	U
1,1-Dichloropropene	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
1,2,3-Trichlorobenzene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,2,3-Trichloropropane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.002	U	0.0023	U	0.002	U	0.002	J	0.0017	U
1,2,4-Trichlorobenzene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.002	U	0.0023	U	0.002	U	0.00096	J	0.0017	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0031	U	0.0035	U	0.003	U	0.0031	U	0.0026	U
1,2-Dibromoethane	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,2-Dichloroethane	0.02	3.1	0.02	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
1,2-Dichloroethene, Total	--	--	--	0.0016		0.0085		0.0016		0.012	J	0.00071	J
1,2-Dichloropropane	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.002	U	0.0023	U	0.002	U	0.001	J	0.0017	U
1,3-Dichlorobenzene	2.4	49	2.4	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,3-Dichloropropane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,3-Dichloropropene, Total	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
1,4-Dichlorobenzene	1.8	13	1.8	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
1,4-Dioxane	0.1	13	0.1	0.082	U	0.093	U	0.082	U	0.084	U	0.069	U
2,2-Dichloropropane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
2-Butanone	0.12	100	0.12	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
2-Hexanone	--	--	--	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
4-Methyl-2-pentanone	--	--	--	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
Acetone	0.05	100	0.05	0.01	U	0.012	U	0.028		0.024		0.0086	U
Acrylonitrile	--	--	--	0.0041	U	0.0047	U	0.0041	U	0.0042	U	0.0034	U
Benzene	0.06	4.8	0.06	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
Bromobenzene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Bromochloromethane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Bromodichloromethane	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
Bromoform	--	--	--	0.0041	U	0.0047	U	0.0041	U	0.0042	U	0.0034	U
Bromomethane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Carbon disulfide	--	--	--	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
Carbon tetrachloride	0.76	2.4	0.76	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
Chloroethane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Chloroform	0.37	49	0.37	0.0015	U	0.0017	U	0.0015	U	0.00017	J	0.0013	U
Chloromethane	--	--	--	0.0041	U	0.0047	U	0.0041	U	0.0042	U	0.0034	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0016		0.0085		0.0016		0.012		0.00071	J
cis-1,3-Dichloropropene	--	--	--	0.00051	U	0.00058	U	0.00051	U	0.00052	U	0.00043	U
Dibromochloromethane	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
Dibromomethane	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Dichlorodifluoromethane	--	--	--	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
Ethyl ether	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Ethylbenzene	1	41	1	0.001	U	0.00018	J	0.001	U	0.0013		0.00086	U
Hexachlorobutadiene	--	--	--	0.0041	U	0.0047	U	0.0041	U	0.0042	U	0.0034	U
Isopropylbenzene	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
Methyl tert butyl ether	0.93	100	0.93	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Methylene chloride	0.05	100	0.05	0.0051	U	0.0058	U	0.0051	U	0.0052	U	0.0043	U
n-Butylbenzene	12	100	12	0.001	U	0.0012	U	0.001	U	0.00034	J	0.00086	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
Naphthalene	12	100	12	0.0041	U	0.0047	U	0.0041	U	0.0049		0.0034	U
o-Chlorotoluene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
o-Xylene	--	--	--	0.001	U	0.0012	U	0.001	U	0.0013		0.00086	U
p-Chlorotoluene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
p-Diethylbenzene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
p-Ethyltoluene	--	--	--	0.002	U	0.0023	U	0.002	U	0.00094	J	0.0017	U
p-Isopropyltoluene	--	--	--	0.001	U	0.00093	J	0.001	U	0.00064	J	0.00086	U
p/m-Xylene	--	--	--	0.002	U	0.0023	U	0.002	U	0.0042		0.0017	U
sec-Butylbenzene	11	100	11	0.001	U	0.0012	U	0.001	U	0.00039	J	0.00086	U
Styrene	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0023	U	0.002	U	0.0021	U	0.0017	U
Tetrachloroethene	1.3	19	1.3	0.0014		0.002		0.00037	J	0.0009		0.00043	U
Toluene	0.7	100	0.7	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0017	U	0.0015	U	0.00022	J	0.0013	U
trans-1,3-Dichloropropene	--	--	--	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0051	U	0.0058	U	0.0051	U	0.0052	U	0.0043	U
Trichloroethene	0.47	21	0.47	0.0065		0.049		0.009		0.043		0.005	
Trichlorofluoromethane	--	--	--	0.0041	U	0.0047	U	0.0041	U	0.0042	U	0.0034	U
Vinyl acetate	--	--	--	0.01	U	0.012	U	0.01	U	0.01	U	0.0086	U
Vinyl chloride	0.02	0.9	0.02	0.001	U	0.0012	U	0.001	U	0.001	U	0.00086	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0012	U	0.001	U	0.0055		0.00086	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-59		EP-64		EP-61		EP-60A	
LAB SAMPLE ID				L2418995-01		L2418995-02		L2418995-03		L2418995-04		L2418995-05	
DATE				4/8/2024		4/8/2024		4/8/2024		4/8/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)													
1,2,4,5-Tetrachlorobenzene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	49	2.4	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	13	1.8	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U	0.028	U	0.028	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.91	U	0.86	U	0.9	U	0.89	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.23	U	0.21	U	0.22	U	0.032	J	0.22	U
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.41	U	0.39	U	0.41	U	0.4	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.27	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.5	U	0.46	U	0.49	U	0.48	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.27	U	0.25	U	0.26	U	0.26	U	0.26	U
Acenaphthene	20	100	98	0.08	J	0.073	J	0.15		0.18		0.027	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Anthracene	100	100	1000	0.11		0.1	J	0.15		0.17		0.11	U
Benzo(a)anthracene	1	1	1	0.31		0.26		0.35		0.38		0.066	J
Benzo(a)pyrene	1	1	22	0.3		0.25		0.33		0.37		0.065	J
Benzo(b)fluoranthene	1	1	1.7	0.39		0.32		0.42		0.5		0.089	J
Benzo(ghi)perylene	100	100	1000	0.19		0.15		0.2		0.22		0.043	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11		0.1	J	0.14		0.13		0.11	U
Benzoic Acid	--	--	--	0.62	U	0.58	U	0.61	U	0.6	U	0.61	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.43	U	0.41	U	0.43	U	0.42	U	0.43	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.2	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.23	U	0.21	U	0.22	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.073	J	0.068	J	0.078	J	0.094	J	0.065	J
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Carbazole	--	--	--	0.057	J	0.045	J	0.086	J	0.1	J	0.19	U
Chrysene	1	3.9	1	0.26		0.24		0.3		0.35		0.061	J
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.043	J	0.035	J	0.048	J	0.054	J	0.11	U
Dibenzofuran	7	59	210	0.034	J	0.029	J	0.057	J	0.063	J	0.19	U
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	0.66		0.56		0.78		0.86		0.15	
Fluorene	30	100	386	0.056	J	0.05	J	0.089	J	0.097	J	0.19	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.51	U	0.54	U	0.53	U	0.54	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.19		0.15		0.2		0.23		0.042	J
Isophorone	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Naphthalene	12	100	12	0.046	J	0.036	J	0.07	J	0.1	J	0.19	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.17	U	0.17	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U	0.15	U	0.15	U	0.15	U
Phenanthrene	100	100	1000	0.43		0.38		0.6		0.66		0.11	
Phenol	0.33	100	0.33	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Pyrene	100	100	1000	0.54		0.46		0.62		0.68		0.12	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-59		EP-64		EP-61		EP-60A	
LAB SAMPLE ID				L2418995-01		L2418995-02		L2418995-03		L2418995-04		L2418995-05	
DATE				4/8/2024		4/8/2024		4/8/2024		4/8/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)													
Aluminum, Total	--	--	--	5540		5290		5340		6180		6820	
Antimony, Total	--	--	--	4.57	U	4.23	U	4.43	U	0.467	J	4.42	U
Arsenic, Total	13	16	16	2.7		2.02		2.06		3.57		1.62	
Barium, Total	350	400	820	36.4		34.1		27.2		60.4		30.8	
Beryllium, Total	7.2	72	47	0.277	J	0.283	J	0.275	J	0.308	J	0.294	J
Cadmium, Total	2.5	4.3	7.5	0.913	U	0.846	U	0.887	U	0.863	U	0.884	U
Calcium, Total	--	--	--	5440		2360		2550		6400		866	
Chromium, Total*	30	180	--	10.2		8.76		8.28		11.8		11	
Colbalt, Total	--	--	--	3.89		3.6		3.87		4.64		4.29	
Copper, Total	50	270	1720	13.1		8.74		10.2		26.5		6.91	
Iron, Total	--	--	--	9330		8880		9200		9750		10200	
Lead, Total	63	400	450	30.7		13.6		14.8		**71.1**		5.82	
Magnesium, Total	--	--	--	2190		1800		1870		2640		1730	
Manganese, Total	1600	2000	2000	287		299		319		326		252	
Mercury, Total	0.18	0.81	0.73	0.081	J	0.078	U	0.079	U	0.112		0.089	U
Nickel, Total	30	310	130	8.34		8.32		8.1		9.99		8.98	
Potassium, Total	--	--	--	629		490		554		804		561	
Selenium, Total	3.9	180	4	1.83	U	1.69	U	1.77	U	1.72	U	1.77	U
Silver, Total	2	180	8.3	0.457	U	0.423	U	0.443	U	0.431	U	0.442	U
Sodium, Total	--	--	--	163	J	119	J	167	J	293		266	
Thallium, Total	--	--	--	1.83	U	1.69	U	1.77	U	1.72	U	1.77	U
Vanadium, Total	--	--	--	12.7		11.2		11.3		14.2		13.5	
Zinc, Total	109	10000	2480	42.7		23.9		26.2		75.6		20.2	

Table Notes:

--: No guidance value

***** Total chromium was compared to the trivalent chromium SCOs.

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-41		EP-59		EP-64		EP-61		EP-60A	
LAB SAMPLE ID				L2418995-01		L2418995-02		L2418995-03		L2418995-04		L2418995-05	
DATE				4/8/2024		4/8/2024		4/8/2024		4/8/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081													
4,4'-DDD	0.0033	13	14	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00116	J	0.000437	J	0.00293		0.00262		0.00173	U
4,4'-DDT	0.0033	7.9	136	0.00328		0.00172	U	**0.00759**		**0.00542**		0.00173	U
Aldrin	0.005	0.097	0.19	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.00078	U	0.000717	U	0.000752	U	0.000711	U	0.000723	U
Beta-BHC	0.036	0.36	0.09	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Chlordane	--	--	--	0.0156	U	0.0143	U	0.015	U	0.0142	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00234	U	0.00215	U	0.00225	U	0.00213	U	0.00217	U
Delta-BHC	0.04	100	0.25	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00117	U	0.00108	U	0.00113	U	0.00107	U	0.00108	U
Endosulfan I	2.4	24	102	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Endosulfan II	2.4	24	102	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.00078	U	0.000717	U	0.000752	U	0.000711	U	0.000723	U
Endrin	0.014	11	0.06	0.00078	U	0.000717	U	0.000752	U	0.000711	U	0.000723	U
Endrin aldehyde	--	--	--	0.00234	U	0.00215	U	0.00225	U	0.00213	U	0.00217	U
Endrin ketone	--	--	--	0.00187	U	0.00172	U	0.0018	U	0.00171	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000936	U	0.00086	U	0.000902	U	0.000853	U	0.000867	U
Heptachlor epoxide	--	--	--	0.00351	U	0.00322	U	0.00338	U	0.0032	U	0.00325	U
Lindane	0.1	1.3	0.1	0.00078	U	0.000717	U	0.000752	U	0.000711	U	0.000723	U
Methoxychlor	--	--	--	0.00351	U	0.00322	U	0.00338	U	0.0032	U	0.00325	U
Toxaphene	--	--	--	0.0351	U	0.0322	U	0.0338	U	0.032	U	0.0325	U
trans-Chlordane	--	--	--	0.00234	U	0.00215	U	0.00225	U	0.00213	U	0.00217	U
Polychlorinated Biphenyls by EPA Method 8082A													
Aroclor 1016	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1221	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1232	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1242	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1254	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1260	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1262	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
Aroclor 1268	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U
PCBs, Total	0.1	1	3.2	0.0544	U	0.0533	U	0.0548	U	0.0549	U	0.0549	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-59		EP-61	
LAB SAMPLE ID				L2418995-02		L2418995-04	
DATE				4/8/2024		4/8/2024	
SAMPLE DEPTH (ft.)				5.5		5.5	
				Results	Qual	Results	Qual
PFAS by EPA Method 537.1							
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.0008	U	0.000799	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.0008	U	0.000799	U
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.0002	U	0.0002	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.0002	U	0.0002	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.0002	U	0.0002	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.0008	U	0.000799	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000068	J	0.0002	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.0002	U	0.0002	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.0002	U	0.0002	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.0002	U	0.0002	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.0002	U	0.0002	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.0002	U	0.0002	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.0002	U	0.0002	U
Perfluorononanoic Acid (PFNA)	--	--	--	0.0002	U	0.0002	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.0002	U	0.0002	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000138	J	0.000177	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000106	J	0.000096	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.0004	U	0.0004	U
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.0002	U	0.0002	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.0002	U	0.0002	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.0002	U	0.0002	U
PFOA/PFOS, Total	--	--	--	0.000244	J	0.000273	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2418995
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	04/21/24

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2418995-01	EP-41 (5.5' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	04/08/24 13:00	04/08/24
L2418995-02	EP-59 (5.5' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	04/08/24 13:35	04/08/24
L2418995-03	EP-64 (5.5' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	04/08/24 13:50	04/08/24
L2418995-04	EP-61 (5.5' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	04/08/24 14:05	04/08/24
L2418995-05	EP-60A (6' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	04/08/24 14:25	04/08/24
L2418995-06	FB PFAS 2024-04-08	WATER	101 EAST 150TH ST., BRONX, NY	04/08/24 14:35	04/08/24
L2418995-07	FB 2024-04-08	WATER	101 EAST 150TH ST., BRONX, NY	04/08/24 14:40	04/08/24
L2418995-08	TB 2024-04-08	WATER	101 EAST 150TH ST., BRONX, NY	04/08/24 00:00	04/08/24

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

Case Narrative

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

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

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

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

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

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

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995
Project Number: 41.0163097.00 **Report Date:** 04/21/24

Case Narrative (continued)

Report Submission
April 21, 2024: This final report includes the results of all requested analyses.
April 15, 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.

Volatile Organics
L2418995-02: The sample was analyzed as a High Level Methanol based upon screen results. The sample was then analyzed as a Low Level in order to achieve lower reporting limits. The results of both analyses are reported. Differences were noted between the results of the analyses which have been attributed to vial discrepancies.

Perfluorinated Alkyl Acids by 1633
The WG1909609-4/-5 MS/MSD RPD, performed on L2418995-02, is outside the acceptance criteria for 3-perfluoroheptyl propanoic acid (7:3ftca) (33%).

Total Metals
L2418995-01 through -05: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.
The WG1906558-3 MS recoveries for aluminum (173%), calcium (186%), and iron (0%), performed on L2418995-01, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1906558-3 MS recovery, performed on L2418995-01, is outside the acceptance criteria for magnesium (131%). A post digestion spike was performed and was within acceptance criteria.
The WG1906558-4 Laboratory Duplicate RPDs for magnesium (28%) and potassium (21%), performed on L2418995-01, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

Case Narrative (continued)

homogeneous nature of the native sample.

The WG1907262 CCV recovery, associated with L2418995-07, was above the acceptance criteria for thallium and lead. Any associated samples with positive detections were re-analyzed under a passing CCV. The samples that were non-detect for these elements are reporting results from the original analyses.

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: Cristin Walker

Title: Technical Director/Representative Date: 04/21/24

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/10/24 14:37
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	0.44	J	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	1.4		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	0.91		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01 Date Collected: 04/08/24 13:00

Client ID: EP-41 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	6.5		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	1.6		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	1.6		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	4.6	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	0.13	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01 Date Collected: 04/08/24 13:00

Client ID: EP-41 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	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						
Total TIC Compounds	5.90	J	ug/kg			1
Unknown	5.90	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/10/24 16:10
Analyst: MKS
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	240	110	1
1,1-Dichloroethane	33	J	ug/kg	49	7.1	1
Chloroform	ND		ug/kg	73	6.8	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.1	1
Dibromochloromethane	ND		ug/kg	49	6.8	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	100		ug/kg	24	9.6	1
Chlorobenzene	ND		ug/kg	24	6.2	1
Trichlorofluoromethane	ND		ug/kg	190	34.	1
1,2-Dichloroethane	ND		ug/kg	49	12.	1
1,1,1-Trichloroethane	160		ug/kg	24	8.1	1
Bromodichloromethane	ND		ug/kg	24	5.3	1
trans-1,3-Dichloropropene	ND		ug/kg	49	13.	1
cis-1,3-Dichloropropene	ND		ug/kg	24	7.7	1
1,3-Dichloropropene, Total	ND		ug/kg	24	7.7	1
1,1-Dichloropropene	ND		ug/kg	24	7.8	1
Bromoform	ND		ug/kg	190	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	24	8.1	1
Benzene	ND		ug/kg	24	8.1	1
Toluene	ND		ug/kg	49	26.	1
Ethylbenzene	ND		ug/kg	49	6.9	1
Chloromethane	ND		ug/kg	190	45.	1
Bromomethane	ND		ug/kg	97	28.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	97	22.	1
1,1-Dichloroethene	ND		ug/kg	49	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	73	6.7	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02 Date Collected: 04/08/24 13:35

Client ID: EP-59 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1200		ug/kg	24	6.7	1
1,2-Dichlorobenzene	ND		ug/kg	97	7.0	1
1,3-Dichlorobenzene	ND		ug/kg	97	7.2	1
1,4-Dichlorobenzene	ND		ug/kg	97	8.3	1
Methyl tert butyl ether	ND		ug/kg	97	9.8	1
p/m-Xylene	ND		ug/kg	97	27.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	ND		ug/kg	49	14.	1
cis-1,2-Dichloroethene	100		ug/kg	49	8.5	1
1,2-Dichloroethene, Total	100		ug/kg	49	6.7	1
Dibromomethane	ND		ug/kg	97	12.	1
Styrene	ND		ug/kg	49	9.6	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	230	1
Carbon disulfide	ND		ug/kg	490	220	1
2-Butanone	ND		ug/kg	490	110	1
Vinyl acetate	ND		ug/kg	490	100	1
4-Methyl-2-pentanone	ND		ug/kg	490	62.	1
1,2,3-Trichloropropane	ND		ug/kg	97	6.2	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	97	10.	1
2,2-Dichloropropane	ND		ug/kg	97	9.8	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	97	8.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	24	6.4	1
Bromobenzene	ND		ug/kg	97	7.1	1
n-Butylbenzene	ND		ug/kg	49	8.1	1
sec-Butylbenzene	ND		ug/kg	49	7.1	1
tert-Butylbenzene	ND		ug/kg	97	5.8	1
o-Chlorotoluene	ND		ug/kg	97	9.3	1
p-Chlorotoluene	ND		ug/kg	97	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	190	8.2	1
Isopropylbenzene	ND		ug/kg	49	5.3	1
p-Isopropyltoluene	ND		ug/kg	49	5.3	1
Naphthalene	74	J	ug/kg	190	32.	1
Acrylonitrile	ND		ug/kg	190	56.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02 Date Collected: 04/08/24 13:35

Client ID: EP-59 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	49	8.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	97	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	97	13.	1
1,3,5-Trimethylbenzene	11	J	ug/kg	97	9.4	1
1,2,4-Trimethylbenzene	26	J	ug/kg	97	16.	1
1,4-Dioxane	ND		ug/kg	3900	1700	1
p-Diethylbenzene	ND		ug/kg	97	8.6	1
p-Ethyltoluene	ND		ug/kg	97	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	97	9.3	1
Ethyl ether	ND		ug/kg	97	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	240	69.	1
Tentatively Identified Compounds						
Total TIC Compounds	248	J	ug/kg			1
Unknown	141	J	ug/kg			1
Unknown	107	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/11/24 22:24
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	5.8	2.7	1
1,1-Dichloroethane	1.3		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	2.0		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	3.7		ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	0.18	J	ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	0.47	J	ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02 Date Collected: 04/08/24 13:35

Client ID: EP-59 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	49		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	ND		ug/kg	2.3	0.65	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	8.5		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	8.5		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	0.93	J	ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	93	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	809	J	ug/kg			1
Unknown	35.6	J	ug/kg			1
Unknown	590	J	ug/kg			1
Unknown	183	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	88		70-130
Dibromofluoromethane	110		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:50
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/10/24 15:00
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	5.1	2.3	1
1,1-Dichloroethane	0.16	J	ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	0.37	J	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	0.41	J	ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03 Date Collected: 04/08/24 13:50

Client ID: EP-64 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	9.0		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	1.6		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	1.6		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	28		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	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	0.13	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03 Date Collected: 04/08/24 13:50

Client ID: EP-64 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	5.94	J	ug/kg			1
Unknown	3.57	J	ug/kg			1
Unknown	2.37	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/10/24 15:47
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	2.4		ug/kg	1.0	0.15	1
Chloroform	0.17	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.90		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	5.7		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	1.3		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	0.60	J	ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.22	J	ug/kg	1.6	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04 Date Collected: 04/08/24 14:05

Client ID: EP-61 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	43		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	4.2		ug/kg	2.1	0.59	1
o-Xylene	1.3		ug/kg	1.0	0.30	1
Xylenes, Total	5.5		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	12		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	12	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	24		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	0.34	J	ug/kg	1.0	0.18	1
sec-Butylbenzene	0.39	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.64	J	ug/kg	1.0	0.11	1
Naphthalene	4.9		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04 Date Collected: 04/08/24 14:05

Client ID: EP-61 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	1.0	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.96	J	ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	0.94	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	2.0	J	ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	80.3	J	ug/kg			1
Unknown	6.74	J	ug/kg			1
Unknown Benzene	7.33	J	ug/kg			1
Unknown Aromatic	6.12	J	ug/kg			1
Unknown Aromatic	6.59	J	ug/kg			1
Unknown	9.06	J	ug/kg			1
Unknown	8.99	J	ug/kg			1
Unknown Aromatic	7.13	J	ug/kg			1
Unknown Naphthalene	9.42	J	ug/kg			1
Unknown Benzene	8.48	J	ug/kg			1
Unknown Naphthalene	10.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:25
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/10/24 15:24
Analyst: MKS
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	0.25	J	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	1.1		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	0.23	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05 Date Collected: 04/08/24 14:25

Client ID: EP-60A (6' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	5.0		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	0.71	J	ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.71	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05 Date Collected: 04/08/24 14:25

Client ID: EP-60A (6' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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						
Total TIC Compounds	2.01	J	ug/kg			1
Unknown	2.01	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/24 18:41
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07 Date Collected: 04/08/24 14:40

Client ID: FB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-08
Client ID: TB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 00:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/11/24 19:03
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-08 Date Collected: 04/08/24 00:00

Client ID: TB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-08
Client ID: TB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 00:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1906987-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	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: SA 101 EAST 150TH
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Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1906987-5					
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: SA 101 EAST 150TH
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Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1906987-5					
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: SA 101 EAST 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03-05 Batch: WG1906987-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1907578-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	9.4	J	ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1907578-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
1,2-Dichloroethene, Total	ND		ug/kg	50	6.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6

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Method Blank Analysis
Batch Quality Control

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Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1907578-5					
p-Chlorotoluene	ND		ug/kg	100	5.4
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
1,4-Dioxane	ND		ug/kg	4000	1800
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/10/24 09:56
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 02 Batch: WG1907578-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	102		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 14:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1907912-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 14:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1907912-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 14:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1907912-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 14:11
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02 Batch: WG1907912-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	93		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 18:18
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1908567-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 18:18
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1908567-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 18:18
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1908567-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/11/24 18:18
Analyst: MAG

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07-08 Batch: WG1908567-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1906987-3 WG1906987-4								
Methylene chloride	79		77		70-130	3		30
1,1-Dichloroethane	92		92		70-130	0		30
Chloroform	92		90		70-130	2		30
Carbon tetrachloride	92		92		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	106		106		70-130	0		30
1,1,2-Trichloroethane	101		98		70-130	3		30
Tetrachloroethene	99		92		70-130	7		30
Chlorobenzene	91		87		70-130	4		30
Trichlorofluoromethane	**65**	Q	**65**	Q	70-139	0		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	95		96		70-130	1		30
trans-1,3-Dichloropropene	104		100		70-130	4		30
cis-1,3-Dichloropropene	98		97		70-130	1		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	102		98		70-130	4		30
1,1,2,2-Tetrachloroethane	100		94		70-130	6		30
Benzene	92		90		70-130	2		30
Toluene	91		88		70-130	3		30
Ethylbenzene	90		86		70-130	5		30
Chloromethane	96		92		52-130	4		30
Bromomethane	57		57		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1906987-3 WG1906987-4								
Vinyl chloride	72		71		67-130	1		30
Chloroethane	64		64		50-151	0		30
1,1-Dichloroethene	74		67		65-135	10		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	96		96		70-130	0		30
1,2-Dichlorobenzene	93		88		70-130	6		30
1,3-Dichlorobenzene	92		86		70-130	7		30
1,4-Dichlorobenzene	91		86		70-130	6		30
Methyl tert butyl ether	99		100		66-130	1		30
p/m-Xylene	87		84		70-130	4		30
o-Xylene	86		84		70-130	2		30
cis-1,2-Dichloroethene	92		90		70-130	2		30
Dibromomethane	89		90		70-130	1		30
Styrene	88		86		70-130	2		30
Dichlorodifluoromethane	79		77		30-146	3		30
Acetone	76		82		54-140	8		30
Carbon disulfide	66		62		59-130	6		30
2-Butanone	81		83		70-130	2		30
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	91		91		70-130	0		30
1,2,3-Trichloropropane	95		92		68-130	3		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	88		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1906987-3 WG1906987-4								
2,2-Dichloropropane	92		90		70-130	2		30
1,2-Dibromoethane	104		101		70-130	3		30
1,3-Dichloropropane	99		97		69-130	2		30
1,1,1,2-Tetrachloroethane	109		106		70-130	3		30
Bromobenzene	96		90		70-130	6		30
n-Butylbenzene	95		88		70-130	8		30
sec-Butylbenzene	92		86		70-130	7		30
tert-Butylbenzene	92		86		70-130	7		30
o-Chlorotoluene	91		87		70-130	4		30
p-Chlorotoluene	95		89		70-130	7		30
1,2-Dibromo-3-chloropropane	82		84		68-130	2		30
Hexachlorobutadiene	83		78		67-130	6		30
Isopropylbenzene	94		88		70-130	7		30
p-Isopropyltoluene	93		87		70-130	7		30
Naphthalene	97		93		70-130	4		30
Acrylonitrile	88		90		70-130	2		30
n-Propylbenzene	93		87		70-130	7		30
1,2,3-Trichlorobenzene	96		92		70-130	4		30
1,2,4-Trichlorobenzene	99		92		70-130	7		30
1,3,5-Trimethylbenzene	93		87		70-130	7		30
1,2,4-Trimethylbenzene	95		88		70-130	8		30
1,4-Dioxane	76		79		65-136	4		30
p-Diethylbenzene	94		87		70-130	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03-05 Batch: WG1906987-3 WG1906987-4								
p-Ethyltoluene	93		87		70-130	7		30
1,2,4,5-Tetramethylbenzene	102		96		70-130	6		30
Ethyl ether	74		73		67-130	1		30
trans-1,4-Dichloro-2-butene	110		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		105		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	109		107		70-130
Dibromofluoromethane	97		102		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1907578-3 WG1907578-4								
Methylene chloride	79		77		70-130	3		30
1,1-Dichloroethane	92		92		70-130	0		30
Chloroform	92		90		70-130	2		30
Carbon tetrachloride	92		92		70-130	0		30
1,2-Dichloropropane	96		96		70-130	0		30
Dibromochloromethane	106		106		70-130	0		30
1,1,2-Trichloroethane	101		98		70-130	3		30
Tetrachloroethene	99		92		70-130	7		30
Chlorobenzene	91		87		70-130	4		30
Trichlorofluoromethane	**65**	Q	**65**	Q	70-139	0		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	95		96		70-130	1		30
trans-1,3-Dichloropropene	104		100		70-130	4		30
cis-1,3-Dichloropropene	98		97		70-130	1		30
1,1-Dichloropropene	92		90		70-130	2		30
Bromoform	102		98		70-130	4		30
1,1,2,2-Tetrachloroethane	100		94		70-130	6		30
Benzene	92		90		70-130	2		30
Toluene	91		88		70-130	3		30
Ethylbenzene	90		86		70-130	5		30
Chloromethane	96		92		52-130	4		30
Bromomethane	57		57		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1907578-3 WG1907578-4								
Vinyl chloride	72		71		67-130	1		30
Chloroethane	64		64		50-151	0		30
1,1-Dichloroethene	74		67		65-135	10		30
trans-1,2-Dichloroethene	94		92		70-130	2		30
Trichloroethene	96		96		70-130	0		30
1,2-Dichlorobenzene	93		88		70-130	6		30
1,3-Dichlorobenzene	92		86		70-130	7		30
1,4-Dichlorobenzene	91		86		70-130	6		30
Methyl tert butyl ether	99		100		66-130	1		30
p/m-Xylene	87		84		70-130	4		30
o-Xylene	86		84		70-130	2		30
cis-1,2-Dichloroethene	92		90		70-130	2		30
Dibromomethane	89		90		70-130	1		30
Styrene	88		86		70-130	2		30
Dichlorodifluoromethane	79		77		30-146	3		30
Acetone	76		82		54-140	8		30
Carbon disulfide	66		62		59-130	6		30
2-Butanone	81		83		70-130	2		30
Vinyl acetate	108		108		70-130	0		30
4-Methyl-2-pentanone	91		91		70-130	0		30
1,2,3-Trichloropropane	95		92		68-130	3		30
2-Hexanone	90		92		70-130	2		30
Bromochloromethane	88		90		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1907578-3 WG1907578-4								
2,2-Dichloropropane	92		90		70-130	2		30
1,2-Dibromoethane	104		101		70-130	3		30
1,3-Dichloropropane	99		97		69-130	2		30
1,1,1,2-Tetrachloroethane	109		106		70-130	3		30
Bromobenzene	96		90		70-130	6		30
n-Butylbenzene	95		88		70-130	8		30
sec-Butylbenzene	92		86		70-130	7		30
tert-Butylbenzene	92		86		70-130	7		30
o-Chlorotoluene	91		87		70-130	4		30
p-Chlorotoluene	95		89		70-130	7		30
1,2-Dibromo-3-chloropropane	82		84		68-130	2		30
Hexachlorobutadiene	83		78		67-130	6		30
Isopropylbenzene	94		88		70-130	7		30
p-Isopropyltoluene	93		87		70-130	7		30
Naphthalene	97		93		70-130	4		30
Acrylonitrile	88		90		70-130	2		30
n-Propylbenzene	93		87		70-130	7		30
1,2,3-Trichlorobenzene	96		92		70-130	4		30
1,2,4-Trichlorobenzene	99		92		70-130	7		30
1,3,5-Trimethylbenzene	93		87		70-130	7		30
1,2,4-Trimethylbenzene	95		88		70-130	8		30
1,4-Dioxane	76		79		65-136	4		30
p-Diethylbenzene	94		87		70-130	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 02 Batch: WG1907578-3 WG1907578-4								
p-Ethyltoluene	93		87		70-130	7		30
1,2,4,5-Tetramethylbenzene	102		96		70-130	6		30
Ethyl ether	74		73		67-130	1		30
trans-1,4-Dichloro-2-butene	110		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		104		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	109		107		70-130
Dibromofluoromethane	97		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1907912-3 WG1907912-4								
Methylene chloride	80		92		70-130	14		30
1,1-Dichloroethane	81		92		70-130	13		30
Chloroform	99		96		70-130	3		30
Carbon tetrachloride	104		107		70-130	3		30
1,2-Dichloropropane	89		83		70-130	7		30
Dibromochloromethane	88		99		70-130	12		30
1,1,2-Trichloroethane	92		96		70-130	4		30
Tetrachloroethene	108		110		70-130	2		30
Chlorobenzene	99		101		70-130	2		30
Trichlorofluoromethane	**150**	Q	**166**	Q	70-139	10		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	116		116		70-130	0		30
Bromodichloromethane	93		94		70-130	1		30
trans-1,3-Dichloropropene	95		98		70-130	3		30
cis-1,3-Dichloropropene	97		109		70-130	12		30
1,1-Dichloropropene	105		107		70-130	2		30
Bromoform	95		98		70-130	3		30
1,1,2,2-Tetrachloroethane	95		94		70-130	1		30
Benzene	103		99		70-130	4		30
Toluene	103		105		70-130	2		30
Ethylbenzene	104		107		70-130	3		30
Chloromethane	56		60		52-130	7		30
Bromomethane	**156**	Q	**169**	Q	57-147	8		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1907912-3 WG1907912-4								
Vinyl chloride	73		81		67-130	10		30
Chloroethane	129		141		50-151	9		30
1,1-Dichloroethene	105		119		65-135	13		30
trans-1,2-Dichloroethene	97		109		70-130	12		30
Trichloroethene	104		111		70-130	7		30
1,2-Dichlorobenzene	103		94		70-130	9		30
1,3-Dichlorobenzene	100		106		70-130	6		30
1,4-Dichlorobenzene	98		96		70-130	2		30
Methyl tert butyl ether	77		89		66-130	14		30
p/m-Xylene	107		109		70-130	2		30
o-Xylene	101		97		70-130	4		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	88		89		70-130	1		30
Styrene	96		96		70-130	0		30
Dichlorodifluoromethane	83		91		30-146	9		30
Acetone	**41**	Q	**53**	Q	54-140	26		30
Carbon disulfide	91		103		59-130	12		30
2-Butanone	**57**	Q	**50**	Q	70-130	13		30
Vinyl acetate	**54**	Q	**62**	Q	70-130	14		30
4-Methyl-2-pentanone	71		76		70-130	7		30
1,2,3-Trichloropropane	90		92		68-130	2		30
2-Hexanone	**54**	Q	**63**	Q	70-130	15		30
Bromochloromethane	91		94		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1907912-3 WG1907912-4								
2,2-Dichloropropane	110		110		70-130	0		30
1,2-Dibromoethane	91		97		70-130	6		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	96		103		70-130	7		30
Bromobenzene	93		98		70-130	5		30
n-Butylbenzene	122		102		70-130	18		30
sec-Butylbenzene	121		116		70-130	4		30
tert-Butylbenzene	114		112		70-130	2		30
o-Chlorotoluene	108		104		70-130	4		30
p-Chlorotoluene	110		108		70-130	2		30
1,2-Dibromo-3-chloropropane	84		80		68-130	5		30
Hexachlorobutadiene	111		122		67-130	9		30
Isopropylbenzene	115		108		70-130	6		30
p-Isopropyltoluene	110		113		70-130	3		30
Naphthalene	85		88		70-130	3		30
Acrylonitrile	**54**	Q	**65**	Q	70-130	18		30
n-Propylbenzene	113		114		70-130	1		30
1,2,3-Trichlorobenzene	98		103		70-130	5		30
1,2,4-Trichlorobenzene	102		106		70-130	4		30
1,3,5-Trimethylbenzene	110		109		70-130	1		30
1,2,4-Trimethylbenzene	107		106		70-130	1		30
1,4-Dioxane	69		84		65-136	20		30
p-Diethylbenzene	114		102		70-130	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02 Batch: WG1907912-3 WG1907912-4								
p-Ethyltoluene	115		110		70-130	4		30
1,2,4,5-Tetramethylbenzene	106		96		70-130	10		30
Ethyl ether	87		92		67-130	6		30
trans-1,4-Dichloro-2-butene	82		87		70-130	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	94		97		70-130
4-Bromofluorobenzene	99		94		70-130
Dibromofluoromethane	97		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1908567-3 WG1908567-4								
Methylene chloride	90		92		70-130	2		20
1,1-Dichloroethane	92		97		70-130	5		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	95		98		63-132	3		20
1,2-Dichloropropane	88		93		70-130	6		20
Dibromochloromethane	96		99		63-130	3		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	98		98		70-130	0		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		100		70-130	6		20
1,1,1-Trichloroethane	96		100		67-130	4		20
Bromodichloromethane	93		97		67-130	4		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	92		96		70-130	4		20
1,1-Dichloropropene	95		98		70-130	3		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	110		110		67-130	0		20
Benzene	92		95		70-130	3		20
Toluene	98		97		70-130	1		20
Ethylbenzene	99		100		70-130	1		20
Chloromethane	72		88		64-130	20		20
Bromomethane	68		72		39-139	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1908567-3 WG1908567-4								
Vinyl chloride	90		91		55-140	1		20
Chloroethane	99		98		55-138	1		20
1,1-Dichloroethene	94		98		61-145	4		20
trans-1,2-Dichloroethene	93		96		70-130	3		20
Trichloroethene	91		95		70-130	4		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	90		97		63-130	7		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	92		94		70-130	2		20
Dibromomethane	89		96		70-130	8		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	86		99		70-130	14		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	80		96		36-147	18		20
Acetone	75		87		58-148	15		20
Carbon disulfide	93		97		51-130	4		20
2-Butanone	87		96		63-138	10		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	84		94		59-130	11		20
2-Hexanone	82		90		57-130	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1908567-3 WG1908567-4								
Bromochloromethane	93		98		70-130	5		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	98		100		70-130	2		20
1,3-Dichloropropane	99		100		70-130	1		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	100		99		41-144	1		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	110		110		70-130	0		20
Naphthalene	93		98		70-130	5		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	97		100		70-130	3		20
1,2,4-Trichlorobenzene	100		100		70-130	0		20
1,3,5-Trimethylbenzene	110		110		64-130	0		20
1,2,4-Trimethylbenzene	110		110		70-130	0		20
1,4-Dioxane	80		82		56-162	2		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07-08 Batch: WG1908567-3 WG1908567-4								
p-Ethyltoluene	110		100		70-130	10		20
1,2,4,5-Tetramethylbenzene	100		100		70-130	0		20
Ethyl ether	92		96		59-134	4		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		107		70-130
Toluene-d8	103		101		70-130
4-Bromofluorobenzene	102		103		70-130
Dibromofluoromethane	102		102		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/10/24 15:44
Analyst: SZ
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	80	J	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	660		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	46	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	73	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01 Date Collected: 04/08/24 13:00

Client ID: EP-41 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	310		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	46.	1
Benzo(b)fluoranthene	390		ug/kg	110	32.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	260		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	110		ug/kg	110	37.	1
Benzo(ghi)perylene	190		ug/kg	150	22.	1
Fluorene	56	J	ug/kg	190	18.	1
Phenanthrene	430		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	43	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	150	26.	1
Pyrene	540		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	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	34	J	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	910	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	91.	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	270	30.	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:00
Date Received: 04/08/24
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	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	57	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.8	1
Tentatively Identified Compounds						
Total TIC Compounds	188	J	ug/kg			1
Unknown PAH	188	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	75		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/10/24 14:34
Analyst: SZ
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	73	J	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	560		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	36	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	68	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02 Date Collected: 04/08/24 13:35

Client ID: EP-59 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	260		ug/kg	110	20.	1
Benzo(a)pyrene	250		ug/kg	140	44.	1
Benzo(b)fluoranthene	320		ug/kg	110	30.	1
Benzo(k)fluoranthene	100	J	ug/kg	110	29.	1
Chrysene	240		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	100	J	ug/kg	110	35.	1
Benzo(ghi)perylene	150		ug/kg	140	21.	1
Fluorene	50	J	ug/kg	180	17.	1
Phenanthrene	380		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	35	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	150		ug/kg	140	25.	1
Pyrene	460		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	29	J	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: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	45	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	159	J	ug/kg			1
Unknown PAH	159	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	98		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	83		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/18/24 14:32
Analyst: JW
Percent Solids: 92%

Extraction Method: EPA 1633
Extraction Date: 04/17/24 07:27
Cleanup Method: EPA 1633
Cleanup Date: 04/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.106	J	ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.138	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	0.800	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	0.068	J	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	0.244	J	ng/g	0.200	0.052	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	81		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	87		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	69		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	91		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	93		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	101		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	79		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	86		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	92		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	93		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:50
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/10/24 14:57
Analyst: SZ
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	150		ug/kg	150	19.	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	780		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	70	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	78	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03 Date Collected: 04/08/24 13:50

Client ID: EP-64 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	350		ug/kg	110	21.	1
Benzo(a)pyrene	330		ug/kg	150	46.	1
Benzo(b)fluoranthene	420		ug/kg	110	32.	1
Benzo(k)fluoranthene	140		ug/kg	110	30.	1
Chrysene	300		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	150		ug/kg	110	37.	1
Benzo(ghi)perylene	200		ug/kg	150	22.	1
Fluorene	89	J	ug/kg	190	18.	1
Phenanthrene	600		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	48	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	200		ug/kg	150	26.	1
Pyrene	620		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	57	J	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	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03 Date Collected: 04/08/24 13:50

Client ID: EP-64 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	86	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	533	J	ug/kg			1
Unknown PAH	196	J	ug/kg			1
Unknown	160	J	ug/kg			1
Unknown	177	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	104		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	122		10-136
4-Terphenyl-d14	98		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/10/24 14:10
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		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	860		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	100	J	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	94	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04 Date Collected: 04/08/24 14:05

Client ID: EP-61 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	380		ug/kg	110	21.	1
Benzo(a)pyrene	370		ug/kg	150	45.	1
Benzo(b)fluoranthene	500		ug/kg	110	31.	1
Benzo(k)fluoranthene	130		ug/kg	110	30.	1
Chrysene	350		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	170		ug/kg	110	36.	1
Benzo(ghi)perylene	220		ug/kg	150	22.	1
Fluorene	97	J	ug/kg	180	18.	1
Phenanthrene	660		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	54	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	150	26.	1
Pyrene	680		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	63	J	ug/kg	180	17.	1
2-Methylnaphthalene	32	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	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	69.	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	260	29.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04 Date Collected: 04/08/24 14:05

Client ID: EP-61 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	100	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	582	J	ug/kg			1
Unknown PAH	234	J	ug/kg			1
Unknown Carbazole	151	J	ug/kg			1
Unknown Siloxane	197	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	68		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	65		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 04/18/24 15:11
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 1633
Extraction Date: 04/17/24 07:27
Cleanup Method: EPA 1633
Cleanup Date: 04/17/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.799	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059	1
Perfluorooctanoic Acid (PFOA)	0.096	J	ng/g	0.200	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.799	0.280	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.177	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	0.799	0.387	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106	1
PFOA/PFOS, Total	0.273	J	ng/g	0.200	0.052	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	80		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	79		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	72		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	72		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	75		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	80		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	95		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	73		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	105		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	63		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	90		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	93		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:25
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/10/24 16:08
Analyst: SZ
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	27	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	150		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	65	J	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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05 Date Collected: 04/08/24 14:25

Client ID: EP-60A (6' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	66	J	ug/kg	110	21.	1
Benzo(a)pyrene	65	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	89	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	61	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	43	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	110		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	42	J	ug/kg	150	26.	1
Pyrene	120		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: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:25
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	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	80		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	75		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-06
Client ID: FB PFAS 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 04/19/24 07:50
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 04/17/24 15:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.83	0.932	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.91	0.779	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.46	0.488	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.46	0.430	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.46	0.291	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.46	0.350	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.46	0.634	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	5.83	1.97	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.46	0.393	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.46	0.459	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.46	0.663	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.46	0.590	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.83	2.26	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.46	0.794	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.46	0.634	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.46	0.335	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.46	0.393	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.46	0.787	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.46	0.670	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.46	0.546	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.46	0.386	1
PFOA/PFOS, Total	ND		ng/l	1.46	0.634	1

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-06
Client ID: FB PFAS 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	81		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	71		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	60		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	67		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	72		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	53		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	63		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	57		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	56		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	56		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/13/24 18:34
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07 Date Collected: 04/08/24 14:40

Client ID: FB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07 Date Collected: 04/08/24 14:40

Client ID: FB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., BRONX, NY Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	64.3	J	ug/l			1
Unknown Organic Acid	3.71	J	ug/l			1
Unknown	3.56	J	ug/l			1
Unknown	5.53	J	ug/l			1
Unknown	7.38	J	ug/l			1
Unknown Organic Acid	4.54	J	ug/l			1
Unknown	4.58	J	ug/l			1
Unknown	2.07	J	ug/l			1
Unknown Siloxane	1.56	J	ug/l			1
Unknown Organic Acid	1.56	J	ug/l			1
Unknown	4.94	J	ug/l			1
Unknown	2.18	J	ug/l			1
Unknown	7.60	J	ug/l			1
Unknown	7.13	J	ug/l			1
Unknown	4.40	J	ug/l			1
Unknown Siloxane	1.67	J	ug/l			1
Unknown	1.85	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	41		23-120
2-Fluorobiphenyl	36		15-120
2,4,6-Tribromophenol	32		10-120
4-Terphenyl-d14	41		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/12/24 20:32
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 04/11/24 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	41.5	J	ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	33		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/24 14:53
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	ND		ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	0.04	J	ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	0.02	J	ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	0.04	J	ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	0.04	J	ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	ND		ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07 Date Collected: 04/08/24 14:40

Client ID: FB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	43		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	46		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	41		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/10/24 01:11
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1906387-1					
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	25.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.
Butyl benzyl phthalate	ND		ug/kg	170	42.
Di-n-butylphthalate	ND		ug/kg	170	32.
Di-n-octylphthalate	ND		ug/kg	170	56.
Diethyl phthalate	ND		ug/kg	170	15.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/10/24 01:11
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1906387-1					
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	27.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	170	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	170	30.
2-Nitroaniline	ND		ug/kg	170	32.
3-Nitroaniline	ND		ug/kg	170	31.
4-Nitroaniline	ND		ug/kg	170	69.
Dibenzofuran	ND		ug/kg	170	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.
Acetophenone	ND		ug/kg	170	20.
2,4,6-Trichlorophenol	ND		ug/kg	100	32.
p-Chloro-m-cresol	ND		ug/kg	170	25.
2-Chlorophenol	ND		ug/kg	170	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	170	55.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/10/24 01:11
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:18

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-05 Batch: WG1906387-1					
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	78		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	86		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/12/24 14:35
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 04/11/24 08:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 07 Batch: WG1907321-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	25		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/15/24 16:11
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 04/11/24 08:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 07 Batch: WG1907321-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	33		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/13/24 17:18
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1907856-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/13/24 17:18
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1907856-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/13/24 17:18
Analyst: MRG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1907856-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds

Total TIC Compounds	4.00	J	ug/l
Unknown Organic Acid	2.29	J	ug/l
Unknown Organic Acid	1.71	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	38		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	50		10-120
4-Terphenyl-d14	66		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/24 12:21
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1907857-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/13/24 12:21
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:30

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1907857-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	48		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	60		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	58		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/18/24 13:54
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 04/17/24 07:27
Cleanup Method: EPA 1633
Cleanup Date: 04/17/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02,04 Batch: WG1909609-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/18/24 13:54
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 04/17/24 07:27
Cleanup Method: EPA 1633
Cleanup Date: 04/17/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02,04 Batch: WG1909609-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	71		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	88		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	68		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	79		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	73		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	86		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	80		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/19/24 06:59
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 04/17/24 15:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 06 Batch: WG1909774-1					
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: SA 101 EAST 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 04/19/24 06:59
Analyst: AC

Extraction Method: EPA 1633
Extraction Date: 04/17/24 15:55

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 06 Batch: WG1909774-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	86		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	95		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	83		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	73		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	78		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	70		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	71		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	55		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	69		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	66		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	63		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54		20-150

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1906387-2 WG1906387-3								
Acenaphthene	83		79		31-137	5		50
1,2,4-Trichlorobenzene	82		75		38-107	9		50
Hexachlorobenzene	88		82		40-140	7		50
Bis(2-chloroethyl)ether	73		65		40-140	12		50
2-Chloronaphthalene	85		78		40-140	9		50
1,2-Dichlorobenzene	77		69		40-140	11		50
1,3-Dichlorobenzene	72		66		40-140	9		50
1,4-Dichlorobenzene	76		68		28-104	11		50
3,3'-Dichlorobenzidine	53		46		40-140	14		50
2,4-Dinitrotoluene	99		94		40-132	5		50
2,6-Dinitrotoluene	97		92		40-140	5		50
Fluoranthene	82		79		40-140	4		50
4-Chlorophenyl phenyl ether	84		80		40-140	5		50
4-Bromophenyl phenyl ether	88		78		40-140	12		50
Bis(2-chloroisopropyl)ether	80		73		40-140	9		50
Bis(2-chloroethoxy)methane	77		71		40-117	8		50
Hexachlorobutadiene	103		91		40-140	12		50
Hexachlorocyclopentadiene	110		104		40-140	6		50
Hexachloroethane	88		77		40-140	13		50
Isophorone	77		70		40-140	10		50
Naphthalene	80		74		40-140	8		50
Nitrobenzene	90		82		40-140	9		50
NDPA/DPA	80		76		36-157	5		50

Lab Control Sample Analysis

Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1906387-2 WG1906387-3								
n-Nitrosodi-n-propylamine	81		72		32-121	12		50
Bis(2-ethylhexyl)phthalate	84		79		40-140	6		50
Butyl benzyl phthalate	86		81		40-140	6		50
Di-n-butylphthalate	81		77		40-140	5		50
Di-n-octylphthalate	82		78		40-140	5		50
Diethyl phthalate	83		79		40-140	5		50
Dimethyl phthalate	84		80		40-140	5		50
Benzo(a)anthracene	81		75		40-140	8		50
Benzo(a)pyrene	78		73		40-140	7		50
Benzo(b)fluoranthene	80		75		40-140	6		50
Benzo(k)fluoranthene	76		71		40-140	7		50
Chrysene	79		74		40-140	7		50
Acenaphthylene	81		76		40-140	6		50
Anthracene	82		76		40-140	8		50
Benzo(ghi)perylene	77		71		40-140	8		50
Fluorene	83		76		40-140	9		50
Phenanthrene	81		76		40-140	6		50
Dibenzo(a,h)anthracene	73		67		40-140	9		50
Indeno(1,2,3-cd)pyrene	74		69		40-140	7		50
Pyrene	85		79		35-142	7		50
Biphenyl	74		68		37-127	8		50
4-Chloroaniline	80		74		40-140	8		50
2-Nitroaniline	93		88		47-134	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

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Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1906387-2 WG1906387-3								
3-Nitroaniline	71		64		26-129	10		50
4-Nitroaniline	78		76		41-125	3		50
Dibenzofuran	85		79		40-140	7		50
2-Methylnaphthalene	83		72		40-140	14		50
1,2,4,5-Tetrachlorobenzene	92		84		40-117	9		50
Acetophenone	72		65		14-144	10		50
2,4,6-Trichlorophenol	98		91		30-130	7		50
p-Chloro-m-cresol	87		82		26-103	6		50
2-Chlorophenol	77		70		25-102	10		50
2,4-Dichlorophenol	85		79		30-130	7		50
2,4-Dimethylphenol	93		88		30-130	6		50
2-Nitrophenol	89		83		30-130	7		50
4-Nitrophenol	105		103		11-114	2		50
2,4-Dinitrophenol	110		110		4-130	0		50
4,6-Dinitro-o-cresol	109		104		10-130	5		50
Pentachlorophenol	95		88		17-109	8		50
Phenol	85		78		26-90	9		50
2-Methylphenol	78		73		30-130.	7		50
3-Methylphenol/4-Methylphenol	79		71		30-130	11		50
2,4,5-Trichlorophenol	97		90		30-130	7		50
Benzoic Acid	30		31		10-110	3		50
Benzyl Alcohol	86		78		40-140	10		50
Carbazole	80		75		54-128	6		50

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-05 Batch: WG1906387-2 WG1906387-3								
1,4-Dioxane	52		42		40-140	21		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		66		25-120
Phenol-d6	72		65		10-120
Nitrobenzene-d5	80		74		23-120
2-Fluorobiphenyl	70		67		30-120
2,4,6-Tribromophenol	75		69		10-136
4-Terphenyl-d14	65		61		18-120

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 07 Batch: WG1907321-2 WG1907321-3								
1,4-Dioxane	120		120		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	22		24		15-110

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1907856-2 WG1907856-3								
Acenaphthene	61		55		37-111	10		30
1,2,4-Trichlorobenzene	49		50		39-98	2		30
Hexachlorobenzene	52		49		40-140	6		30
Bis(2-chloroethyl)ether	55		54		40-140	2		30
2-Chloronaphthalene	57		53		40-140	7		30
1,2-Dichlorobenzene	53		53		40-140	0		30
1,3-Dichlorobenzene	52		53		40-140	2		30
1,4-Dichlorobenzene	53		52		36-97	2		30
3,3'-Dichlorobenzidine	63		64		40-140	2		30
2,4-Dinitrotoluene	63		60		48-143	5		30
2,6-Dinitrotoluene	62		56		40-140	10		30
Fluoranthene	63		56		40-140	12		30
4-Chlorophenyl phenyl ether	56		53		40-140	6		30
4-Bromophenyl phenyl ether	59		53		40-140	11		30
Bis(2-chloroisopropyl)ether	73		72		40-140	1		30
Bis(2-chloroethoxy)methane	59		59		40-140	0		30
Hexachlorobutadiene	52		49		40-140	6		30
Hexachlorocyclopentadiene	64		59		40-140	8		30
Hexachloroethane	57		56		40-140	2		30
Isophorone	63		64		40-140	2		30
Naphthalene	55		51		40-140	8		30
Nitrobenzene	59		59		40-140	0		30
NDPA/DPA	64		60		40-140	6		30

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1907856-2 WG1907856-3								
n-Nitrosodi-n-propylamine	62		63		29-132	2		30
Bis(2-ethylhexyl)phthalate	87		81		40-140	7		30
Butyl benzyl phthalate	70		66		40-140	6		30
Di-n-butylphthalate	74		68		40-140	8		30
Di-n-octylphthalate	85		81		40-140	5		30
Diethyl phthalate	68		63		40-140	8		30
Dimethyl phthalate	63		57		40-140	10		30
Benzo(a)anthracene	70		63		40-140	11		30
Benzo(a)pyrene	66		61		40-140	8		30
Benzo(b)fluoranthene	64		64		40-140	0		30
Benzo(k)fluoranthene	64		54		40-140	17		30
Chrysene	65		60		40-140	8		30
Acenaphthylene	58		53		45-123	9		30
Anthracene	66		60		40-140	10		30
Benzo(ghi)perylene	65		61		40-140	6		30
Fluorene	59		56		40-140	5		30
Phenanthrene	62		58		40-140	7		30
Dibenzo(a,h)anthracene	66		63		40-140	5		30
Indeno(1,2,3-cd)pyrene	72		69		40-140	4		30
Pyrene	62		56		26-127	10		30
Biphenyl	61		57		40-140	7		30
4-Chloroaniline	51		52		40-140	2		30
2-Nitroaniline	63		59		52-143	7		30

Lab Control Sample Analysis
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Project Name: SA 101 EAST 150TH
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1907856-2 WG1907856-3								
3-Nitroaniline	62		63		25-145	2		30
4-Nitroaniline	58		58		51-143	0		30
Dibenzofuran	60		55		40-140	9		30
2-Methylnaphthalene	59		54		40-140	9		30
1,2,4,5-Tetrachlorobenzene	56		51		2-134	9		30
Acetophenone	68		68		39-129	0		30
2,4,6-Trichlorophenol	66		60		30-130	10		30
p-Chloro-m-cresol	68		63		23-97	8		30
2-Chlorophenol	61		61		27-123	0		30
2,4-Dichlorophenol	64		64		30-130	0		30
2,4-Dimethylphenol	54		64		30-130	17		30
2-Nitrophenol	69		71		30-130	3		30
4-Nitrophenol	71		65		10-80	9		30
2,4-Dinitrophenol	69		61		20-130	12		30
4,6-Dinitro-o-cresol	70		66		20-164	6		30
Pentachlorophenol	53		51		9-103	4		30
Phenol	48		49		12-110	2		30
2-Methylphenol	60		61		30-130	2		30
3-Methylphenol/4-Methylphenol	65		66		30-130	2		30
2,4,5-Trichlorophenol	67		59		30-130	13		30
Benzoic Acid	45		20		10-164	**77**	Q	30
Benzyl Alcohol	58		60		26-116	3		30
Carbazole	66		60		55-144	10		30

Lab Control Sample Analysis

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1907856-2 WG1907856-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		55		21-120
Phenol-d6	47		47		10-120
Nitrobenzene-d5	62		62		23-120
2-Fluorobiphenyl	54		51		15-120
2,4,6-Tribromophenol	62		58		10-120
4-Terphenyl-d14	58		52		41-149

Lab Control Sample Analysis

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1907857-2 WG1907857-3								
Acenaphthene	65		64		40-140	2		40
2-Chloronaphthalene	60		58		40-140	3		40
Fluoranthene	64		62		40-140	3		40
Hexachlorobutadiene	64		64		40-140	0		40
Naphthalene	59		58		40-140	2		40
Benzo(a)anthracene	76		76		40-140	0		40
Benzo(a)pyrene	65		65		40-140	0		40
Benzo(b)fluoranthene	67		65		40-140	3		40
Benzo(k)fluoranthene	65		64		40-140	2		40
Chrysene	71		70		40-140	1		40
Acenaphthylene	61		58		40-140	5		40
Anthracene	69		68		40-140	1		40
Benzo(ghi)perylene	60		60		40-140	0		40
Fluorene	67		65		40-140	3		40
Phenanthrene	68		66		40-140	3		40
Dibenzo(a,h)anthracene	60		60		40-140	0		40
Indeno(1,2,3-cd)pyrene	67		67		40-140	0		40
Pyrene	63		61		40-140	3		40
2-Methylnaphthalene	58		57		40-140	2		40
Pentachlorophenol	76		75		40-140	1		40
Hexachlorobenzene	75		74		40-140	1		40
Hexachloroethane	59		59		40-140	0		40

Lab Control Sample Analysis
Batch Quality Control

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1907857-2 WG1907857-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	56		56		21-120
Phenol-d6	51		50		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	59		56		15-120
2,4,6-Tribromophenol	93		89		10-120
4-Terphenyl-d14	48		47		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
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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): 02,04 Batch: WG1909609-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	99		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	98		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	98		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	116		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	95		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	94		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	90		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	88		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	111		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	77		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	102		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	98		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	128		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	95		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	110		-		40-150	-		30

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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): 02,04 Batch: WG1909609-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	83				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	90				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	82				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	95				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	90				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	80				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	69				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	95				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	76				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	92				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	91				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	69				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	109				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	71				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	93				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	81				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1909609-3								
Perfluorobutanoic Acid (PFBA)	84		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	85		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	79		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	84		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	88		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	93		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	88		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	86		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	66		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	87		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	85		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	79		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	90		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	67		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	73		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	81		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	83		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	83		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	82		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	79		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	87		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1909609-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	81				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	77				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	84				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	90				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	83				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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): 06 Batch: WG1909774-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	102		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	104		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	109		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	108		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	107		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	98		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	121		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	94		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	86		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	105		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	105		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	104		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	99		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

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): 06 Batch: WG1909774-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	98				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	88				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	78				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	88				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	76				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	74				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	75				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06 Batch: WG1909774-3								
Perfluorobutanoic Acid (PFBA)	108		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	106		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	103		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	108		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	105		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	114		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	110		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	111		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	107		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	104		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	104		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	112		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	104		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	109		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	109		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 06 Batch: WG1909774-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	86				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	85				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	86				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	78				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	82				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	75				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	78				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	64				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	81				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	66				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	70				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	58				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

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): 02,04 QC Batch ID: WG1909609-4 WG1909609-5 QC Sample: L2418995-02 Client ID: EP-59 (5.5' BGS)												
Perfluorobutanoic Acid (PFBA)	ND	8	7.44	93		7.75	97		40-150	4		30
Perfluoropentanoic Acid (PFPeA)	ND	4	4.07	102		3.82	96		40-150	6		30
Perfluorobutanesulfonic Acid (PFBS)	ND	1.77	1.63	92		1.65	93		40-150	1		30
Perfluorohexanoic Acid (PFHxA)	ND	2	1.96	98		1.89	95		40-150	4		30
Perfluoroheptanoic Acid (PFHpA)	ND	2	1.91	96		1.90	95		40-150	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.83	1.75	96		1.74	95		40-150	1		30
Perfluorooctanoic Acid (PFOA)	0.106J	2	2.13	101		2.13	101		40-150	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	7.6	7.46	98		8.39	110		40-150	12		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.9	1.70	89		1.81	95		40-150	6		30
Perfluorononanoic Acid (PFNA)	ND	2	1.79	90		1.97	99		40-150	10		30
Perfluorooctanesulfonic Acid (PFOS)	0.138J	1.86	1.79	89		1.74	86		40-150	3		30
Perfluorodecanoic Acid (PFDA)	ND	2	1.92	96		2.02	101		40-150	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	7.68	7.06	92		6.55	85		40-150	7		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	2	1.83	92		2.26	113		40-150	21		30
Perfluoroundecanoic Acid (PFUnA)	ND	2	2.05	103		1.82	91		40-150	12		30
Perfluorodecanesulfonic Acid (PFDS)	0.068J	1.93	1.99	100		1.85	92		40-150	7		30
Perfluorooctanesulfonamide (PFOSA)	ND	2	2.08	104		1.88	94		40-150	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	2	1.92	96		1.91	96		40-150	1		30
Perfluorododecanoic Acid (PFDoA)	ND	2	1.86	93		1.94	97		40-150	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	2	1.96	98		1.98	99		40-150	1		30
Perfluorotetradecanoic Acid (PFTeDA)	ND	2	1.82	91		2.04	102		40-150	11		30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

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): 02,04 QC Batch ID: WG1909609-4 WG1909609-5 QC Sample: L2418995-02 Client ID: EP-59 (5.5' BGS)												

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)	87		84		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	75		73		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		74		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	74		76		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	82		87		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65		70		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	73		88		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90		93		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	89		99		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94		78		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	78		87		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	83		79		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	94		90		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	95		90		20-150
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84		84		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	80		80		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	76		82		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	100		80		20-150

PCBS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/11/24 07:38
Analyst: RMP
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 04/10/24 14:51
Cleanup Method: EPA 3665A
Cleanup Date: 04/11/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/11/24

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	60		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	45		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/10/24 16:41
Analyst: RMP
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 17:38
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.3	4.73	1	A
Aroclor 1221	ND		ug/kg	53.3	5.34	1	A
Aroclor 1232	ND		ug/kg	53.3	11.3	1	A
Aroclor 1242	ND		ug/kg	53.3	7.18	1	A
Aroclor 1248	ND		ug/kg	53.3	8.00	1	A
Aroclor 1254	ND		ug/kg	53.3	5.83	1	A
Aroclor 1260	ND		ug/kg	53.3	9.85	1	A
Aroclor 1262	ND		ug/kg	53.3	6.77	1	A
Aroclor 1268	ND		ug/kg	53.3	5.52	1	A
PCBs, Total	ND		ug/kg	53.3	4.73	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:50
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/10/24 16:48
Analyst: RMP
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 17:38
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	54.8	4.87	1	A
Aroclor 1221	ND		ug/kg	54.8	5.49	1	A
Aroclor 1232	ND		ug/kg	54.8	11.6	1	A
Aroclor 1242	ND		ug/kg	54.8	7.39	1	A
Aroclor 1248	ND		ug/kg	54.8	8.22	1	A
Aroclor 1254	ND		ug/kg	54.8	6.00	1	A
Aroclor 1260	ND		ug/kg	54.8	10.1	1	A
Aroclor 1262	ND		ug/kg	54.8	6.96	1	A
Aroclor 1268	ND		ug/kg	54.8	5.68	1	A
PCBs, Total	ND		ug/kg	54.8	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/10/24 16:55
Analyst: RMP
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 17:38
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

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	ND		ug/kg	54.9	8.23	1	A
Aroclor 1254	ND		ug/kg	54.9	6.00	1	A
Aroclor 1260	ND		ug/kg	54.9	10.1	1	A
Aroclor 1262	ND		ug/kg	54.9	6.97	1	A
Aroclor 1268	ND		ug/kg	54.9	5.69	1	A
PCBs, Total	ND		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	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:25
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/10/24 17:02
Analyst: RMP
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 17:38
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

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	ND		ug/kg	54.9	8.23	1	A
Aroclor 1254	ND		ug/kg	54.9	6.00	1	A
Aroclor 1260	ND		ug/kg	54.9	10.1	1	A
Aroclor 1262	ND		ug/kg	54.9	6.97	1	A
Aroclor 1268	ND		ug/kg	54.9	5.68	1	A
PCBs, Total	ND		ug/kg	54.9	4.87	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	37		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	36		30-150	B
Decachlorobiphenyl	**29**	Q	30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 04/12/24 21:10
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 07:25
Cleanup Method: EPA 3665A
Cleanup Date: 04/12/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/24

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	67		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/10/24 16:14
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 04/09/24 17:38
Cleanup Method: EPA 3665A
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-05 Batch: WG1906615-1						
Aroclor 1016	ND		ug/kg	49.2	4.37	A
Aroclor 1221	ND		ug/kg	49.2	4.93	A
Aroclor 1232	ND		ug/kg	49.2	10.4	A
Aroclor 1242	ND		ug/kg	49.2	6.63	A
Aroclor 1248	ND		ug/kg	49.2	7.38	A
Aroclor 1254	ND		ug/kg	49.2	5.38	A
Aroclor 1260	ND		ug/kg	49.2	9.09	A
Aroclor 1262	ND		ug/kg	49.2	6.25	A
Aroclor 1268	ND		ug/kg	49.2	5.10	A
PCBs, Total	ND		ug/kg	49.2	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/12/24 20:26
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 01:03
Cleanup Method: EPA 3665A
Cleanup Date: 04/12/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1907767-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1906615-2 WG1906615-3									
Aroclor 1016	80		83		40-140	4		50	A
Aroclor 1260	78		80		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	A
Decachlorobiphenyl	81		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150	B
Decachlorobiphenyl	72		75		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1907767-2 WG1907767-3									
Aroclor 1016	88		84		40-140	5		50	A
Aroclor 1260	81		80		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	A
Decachlorobiphenyl	94		91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		77		30-150	B
Decachlorobiphenyl	82		87		30-150	B

PESTICIDES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:00
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/24 10:41
Analyst: MMG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.367	1	A
Lindane	ND		ug/kg	0.780	0.349	1	A
Alpha-BHC	ND		ug/kg	0.780	0.222	1	A
Beta-BHC	ND		ug/kg	1.87	0.710	1	A
Heptachlor	ND		ug/kg	0.936	0.420	1	A
Aldrin	ND		ug/kg	1.87	0.659	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.780	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.819	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.585	1	A
4,4'-DDE	1.16	J	ug/kg	1.87	0.433	1	A
4,4'-DDD	ND		ug/kg	1.87	0.668	1	A
4,4'-DDT	3.28		ug/kg	1.87	1.51	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.626	1	A
Endosulfan sulfate	ND		ug/kg	0.780	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.83	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.618	1	A
Chlordane	ND		ug/kg	15.6	6.20	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01 Date Collected: 04/08/24 13:00

Client ID: EP-41 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	61		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:35
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/24 10:53
Analyst: MMG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.337	1	A
Lindane	ND		ug/kg	0.717	0.320	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.652	1	A
Heptachlor	ND		ug/kg	0.860	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.968	1	A
Endrin	ND		ug/kg	0.717	0.294	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.753	1	A
Endrin ketone	ND		ug/kg	1.72	0.443	1	A
Dieldrin	ND		ug/kg	1.08	0.538	1	A
4,4'-DDE	0.437	J	ug/kg	1.72	0.398	1	A
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	ND		ug/kg	1.72	1.38	1	A
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.575	1	A
Endosulfan sulfate	ND		ug/kg	0.717	0.341	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.03	1	A
cis-Chlordane	ND		ug/kg	2.15	0.599	1	A
trans-Chlordane	ND		ug/kg	2.15	0.568	1	A
Chlordane	ND		ug/kg	14.3	5.70	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02 Date Collected: 04/08/24 13:35

Client ID: EP-59 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	62		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:50
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/24 11:06
Analyst: MMG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

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	0.752	0.336	1	A
Alpha-BHC	ND		ug/kg	0.752	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.684	1	A
Heptachlor	ND		ug/kg	0.902	0.404	1	A
Aldrin	ND		ug/kg	1.80	0.635	1	A
Heptachlor epoxide	ND		ug/kg	3.38	1.01	1	A
Endrin	ND		ug/kg	0.752	0.308	1	A
Endrin aldehyde	ND		ug/kg	2.25	0.789	1	A
Endrin ketone	ND		ug/kg	1.80	0.464	1	A
Dieldrin	ND		ug/kg	1.13	0.564	1	A
4,4'-DDE	2.93		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND	IP	ug/kg	1.80	0.643	1	B
4,4'-DDT	7.59		ug/kg	1.80	1.45	1	B
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.603	1	A
Endosulfan sulfate	ND		ug/kg	0.752	0.358	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.47	1	A
cis-Chlordane	ND		ug/kg	2.25	0.628	1	A
trans-Chlordane	ND		ug/kg	2.25	0.595	1	A
Chlordane	ND		ug/kg	15.0	5.98	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03 Date Collected: 04/08/24 13:50

Client ID: EP-64 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:05
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/24 11:18
Analyst: MMG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.71	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.71	0.601	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.71	0.439	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	2.62		ug/kg	1.71	0.394	1	A
4,4'-DDD	ND		ug/kg	1.71	0.608	1	A
4,4'-DDT	5.42		ug/kg	1.71	1.37	1	B
Endosulfan I	ND		ug/kg	1.71	0.403	1	A
Endosulfan II	ND		ug/kg	1.71	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	14.2	5.65	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04 Date Collected: 04/08/24 14:05

Client ID: EP-61 (5.5' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:25
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/10/24 11:31
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.340	1	A
Lindane	ND		ug/kg	0.723	0.323	1	A
Alpha-BHC	ND		ug/kg	0.723	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.658	1	A
Heptachlor	ND		ug/kg	0.867	0.389	1	A
Aldrin	ND		ug/kg	1.73	0.611	1	A
Heptachlor epoxide	ND		ug/kg	3.25	0.976	1	A
Endrin	ND		ug/kg	0.723	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.17	0.759	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.542	1	A
4,4'-DDE	ND		ug/kg	1.73	0.401	1	B
4,4'-DDD	ND		ug/kg	1.73	0.618	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.410	1	A
Endosulfan II	ND		ug/kg	1.73	0.580	1	A
Endosulfan sulfate	ND		ug/kg	0.723	0.344	1	A
Methoxychlor	ND		ug/kg	3.25	1.01	1	A
Toxaphene	ND		ug/kg	32.5	9.10	1	A
cis-Chlordane	ND		ug/kg	2.17	0.604	1	A
trans-Chlordane	ND		ug/kg	2.17	0.572	1	A
Chlordane	ND		ug/kg	14.4	5.74	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05 Date Collected: 04/08/24 14:25

Client ID: EP-60A (6' BGS) Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:40
Date Received: 04/08/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/12/24 16:11
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 00:39

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: SA 101 EAST 150TH **Lab Number:** L2418995

Project Number: 41.0163097.00 **Report Date:** 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07 Date Collected: 04/08/24 14:40

Client ID: FB 2024-04-08 Date Received: 04/08/24

Sample Location: 101 EAST 150TH ST., 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	73		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/10/24 07:47
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1906409-1						
Delta-BHC	ND		ug/kg	1.59	0.311	A
Lindane	ND		ug/kg	0.661	0.295	A
Alpha-BHC	ND		ug/kg	0.661	0.188	A
Beta-BHC	ND		ug/kg	1.59	0.601	A
Heptachlor	ND		ug/kg	0.793	0.356	A
Aldrin	ND		ug/kg	1.59	0.558	A
Heptachlor epoxide	ND		ug/kg	2.97	0.892	A
Endrin	ND		ug/kg	0.661	0.271	A
Endrin aldehyde	ND		ug/kg	1.98	0.694	A
Endrin ketone	ND		ug/kg	1.59	0.408	A
Dieldrin	ND		ug/kg	0.991	0.496	A
4,4'-DDE	ND		ug/kg	1.59	0.367	A
4,4'-DDD	ND		ug/kg	1.59	0.566	A
4,4'-DDT	ND		ug/kg	1.59	1.28	A
Endosulfan I	ND		ug/kg	1.59	0.375	A
Endosulfan II	ND		ug/kg	1.59	0.530	A
Endosulfan sulfate	ND		ug/kg	0.661	0.315	A
Methoxychlor	ND		ug/kg	2.97	0.925	A
Toxaphene	ND		ug/kg	29.7	8.33	A
cis-Chlordane	ND		ug/kg	1.98	0.552	A
trans-Chlordane	ND		ug/kg	1.98	0.523	A
Chlordane	ND		ug/kg	13.2	5.25	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/10/24 07:47
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 04/09/24 10:54
Cleanup Method: EPA 3620B
Cleanup Date: 04/10/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-05 Batch: WG1906409-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/12/24 15:04
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1907754-1						
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/12/24 15:04
Analyst: JAG

Extraction Method: EPA 3510C
Extraction Date: 04/12/24 00:39

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1907754-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1906409-2 WG1906409-3									
Delta-BHC	71		69		30-150	3		30	A
Lindane	70		68		30-150	3		30	A
Alpha-BHC	71		67		30-150	6		30	A
Beta-BHC	76		74		30-150	3		30	A
Heptachlor	68		67		30-150	1		30	A
Aldrin	70		69		30-150	1		30	A
Heptachlor epoxide	65		65		30-150	0		30	A
Endrin	74		72		30-150	3		30	A
Endrin aldehyde	64		64		30-150	0		30	A
Endrin ketone	76		75		30-150	1		30	A
Dieldrin	78		77		30-150	1		30	A
4,4'-DDE	71		70		30-150	1		30	A
4,4'-DDD	76		76		30-150	0		30	A
4,4'-DDT	72		71		30-150	1		30	A
Endosulfan I	72		70		30-150	3		30	A
Endosulfan II	74		73		30-150	1		30	A
Endosulfan sulfate	70		69		30-150	1		30	A
Methoxychlor	74		73		30-150	1		30	A
cis-Chlordane	68		68		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1906409-2 WG1906409-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150	A
Decachlorobiphenyl	82		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		70		30-150	B
Decachlorobiphenyl	97		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-05 Batch: WG1906409-2 WG1906409-3									
trans-Chlordane	81		81		30-150	0		30	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		63		30-150	A
Decachlorobiphenyl	82		79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		70		30-150	B
Decachlorobiphenyl	97		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1907754-2 WG1907754-3									
Delta-BHC	80		69		30-150	15		20	A
Lindane	92		80		30-150	14		20	A
Alpha-BHC	92		80		30-150	14		20	A
Beta-BHC	107		92		30-150	15		20	A
Heptachlor	90		78		30-150	15		20	A
Aldrin	86		74		30-150	16		20	A
Heptachlor epoxide	93		79		30-150	16		20	A
Endrin	47		87		30-150	**60**	Q	20	A
Endrin aldehyde	94		83		30-150	11		20	A
Endrin ketone	**152**	Q	97		30-150	**44**	Q	20	A
Dieldrin	101		87		30-150	14		20	A
4,4'-DDE	93		77		30-150	18		20	A
4,4'-DDD	102		87		30-150	15		20	A
4,4'-DDT	95		87		30-150	8		20	A
Endosulfan I	92		78		30-150	16		20	A
Endosulfan II	100		86		30-150	15		20	A
Endosulfan sulfate	100		85		30-150	15		20	A
Methoxychlor	121		107		30-150	12		20	A
cis-Chlordane	86		71		30-150	19		20	A
trans-Chlordane	99		83		30-150	17		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1907754-2 WG1907754-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		70		30-150	A
Decachlorobiphenyl	118		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		74		30-150	B
Decachlorobiphenyl	115		95		30-150	B

METALS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:00
Date Received: 04/08/24
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	5540		mg/kg	9.13	2.47	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.57	0.347	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.70		mg/kg	0.913	0.190	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Barium, Total	36.4		mg/kg	0.913	0.159	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.277	J	mg/kg	0.457	0.030	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.913	0.090	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Calcium, Total	5440		mg/kg	9.13	3.20	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Chromium, Total	10.2		mg/kg	0.913	0.088	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.89		mg/kg	1.83	0.152	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Copper, Total	13.1		mg/kg	0.913	0.236	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Iron, Total	9330		mg/kg	4.57	0.825	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Lead, Total	30.7		mg/kg	4.57	0.245	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Magnesium, Total	2190		mg/kg	9.13	1.41	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Manganese, Total	287		mg/kg	0.913	0.145	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Mercury, Total	0.081	J	mg/kg	0.093	0.061	1	04/09/24 17:24	04/12/24 23:44	EPA 7471B	1,7471B	MJR
Nickel, Total	8.34		mg/kg	2.28	0.221	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Potassium, Total	629		mg/kg	228	13.2	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.83	0.236	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.457	0.258	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Sodium, Total	163	J	mg/kg	183	2.88	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.83	0.288	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Vanadium, Total	12.7		mg/kg	0.913	0.185	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC
Zinc, Total	42.7		mg/kg	4.57	0.268	2	04/09/24 17:14	04/12/24 14:20	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:35
Date Received: 04/08/24
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	5290		mg/kg	8.46	2.28	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.23	0.321	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.02		mg/kg	0.846	0.176	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Barium, Total	34.1		mg/kg	0.846	0.147	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.283	J	mg/kg	0.423	0.028	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.846	0.083	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Calcium, Total	2360		mg/kg	8.46	2.96	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Chromium, Total	8.76		mg/kg	0.846	0.081	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.60		mg/kg	1.69	0.140	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Copper, Total	8.74		mg/kg	0.846	0.218	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Iron, Total	8880		mg/kg	4.23	0.764	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Lead, Total	13.6		mg/kg	4.23	0.227	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Magnesium, Total	1800		mg/kg	8.46	1.30	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Manganese, Total	299		mg/kg	0.846	0.134	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.078	0.051	1	04/09/24 17:24	04/13/24 00:07	EPA 7471B	1,7471B	MJR
Nickel, Total	8.32		mg/kg	2.11	0.205	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Potassium, Total	490		mg/kg	211	12.2	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.69	0.218	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.423	0.239	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Sodium, Total	119	J	mg/kg	169	2.66	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.69	0.266	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Vanadium, Total	11.2		mg/kg	0.846	0.172	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC
Zinc, Total	23.9		mg/kg	4.23	0.248	2	04/09/24 17:14	04/12/24 15:44	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 13:50
Date Received: 04/08/24
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	5340		mg/kg	8.87	2.39	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.43	0.337	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Arsenic, Total	2.06		mg/kg	0.887	0.184	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Barium, Total	27.2		mg/kg	0.887	0.154	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.275	J	mg/kg	0.443	0.029	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.887	0.087	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Calcium, Total	2550		mg/kg	8.87	3.10	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Chromium, Total	8.28		mg/kg	0.887	0.085	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Cobalt, Total	3.87		mg/kg	1.77	0.147	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Copper, Total	10.2		mg/kg	0.887	0.229	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Iron, Total	9200		mg/kg	4.43	0.801	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Lead, Total	14.8		mg/kg	4.43	0.238	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Magnesium, Total	1870		mg/kg	8.87	1.36	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Manganese, Total	319		mg/kg	0.887	0.141	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.079	0.052	1	04/09/24 17:24	04/13/24 00:10	EPA 7471B	1,7471B	MJR
Nickel, Total	8.10		mg/kg	2.22	0.214	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Potassium, Total	554		mg/kg	222	12.8	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.77	0.229	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.443	0.251	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Sodium, Total	167	J	mg/kg	177	2.79	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.77	0.279	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Vanadium, Total	11.3		mg/kg	0.887	0.180	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC
Zinc, Total	26.2		mg/kg	4.43	0.260	2	04/09/24 17:14	04/12/24 15:50	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:05
Date Received: 04/08/24
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	6180		mg/kg	8.63	2.33	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Antimony, Total	0.467	J	mg/kg	4.31	0.328	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Arsenic, Total	3.57		mg/kg	0.863	0.179	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Barium, Total	60.4		mg/kg	0.863	0.150	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.308	J	mg/kg	0.431	0.029	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.863	0.085	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Calcium, Total	6400		mg/kg	8.63	3.02	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Chromium, Total	11.8		mg/kg	0.863	0.083	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.64		mg/kg	1.72	0.143	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Copper, Total	26.5		mg/kg	0.863	0.222	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Iron, Total	9750		mg/kg	4.31	0.779	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Lead, Total	71.1		mg/kg	4.31	0.231	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Magnesium, Total	2640		mg/kg	8.63	1.33	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Manganese, Total	326		mg/kg	0.863	0.137	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Mercury, Total	0.112		mg/kg	0.079	0.051	1	04/09/24 17:24	04/13/24 00:13	EPA 7471B	1,7471B	MJR
Nickel, Total	9.99		mg/kg	2.16	0.209	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Potassium, Total	804		mg/kg	216	12.4	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.72	0.222	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.431	0.244	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Sodium, Total	293		mg/kg	172	2.72	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.72	0.272	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Vanadium, Total	14.2		mg/kg	0.863	0.175	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC
Zinc, Total	75.6		mg/kg	4.31	0.253	2	04/09/24 17:14	04/12/24 15:56	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:25
Date Received: 04/08/24
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	6820		mg/kg	8.84	2.39	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Antimony, Total	ND		mg/kg	4.42	0.336	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Arsenic, Total	1.62		mg/kg	0.884	0.184	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Barium, Total	30.8		mg/kg	0.884	0.154	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Beryllium, Total	0.294	J	mg/kg	0.442	0.029	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.884	0.087	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Calcium, Total	866		mg/kg	8.84	3.09	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Chromium, Total	11.0		mg/kg	0.884	0.085	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Cobalt, Total	4.29		mg/kg	1.77	0.147	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Copper, Total	6.91		mg/kg	0.884	0.228	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Iron, Total	10200		mg/kg	4.42	0.798	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Lead, Total	5.82		mg/kg	4.42	0.237	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Magnesium, Total	1730		mg/kg	8.84	1.36	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Manganese, Total	252		mg/kg	0.884	0.140	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Mercury, Total	ND		mg/kg	0.089	0.058	1	04/09/24 17:24	04/13/24 00:17	EPA 7471B	1,7471B	MJR
Nickel, Total	8.98		mg/kg	2.21	0.214	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Potassium, Total	561		mg/kg	221	12.7	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Selenium, Total	ND		mg/kg	1.77	0.228	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Silver, Total	ND		mg/kg	0.442	0.250	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Sodium, Total	266		mg/kg	177	2.78	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Thallium, Total	ND		mg/kg	1.77	0.278	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Vanadium, Total	13.5		mg/kg	0.884	0.179	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC
Zinc, Total	20.2		mg/kg	4.42	0.259	2	04/09/24 17:14	04/12/24 16:02	EPA 3050B	1,6010D	DMC

Project Name: SA 101 EAST 150TH
Lab Number: L2418995
Project Number: 41.0163097.00
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-07
Client ID: FB 2024-04-08
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 04/08/24 14:40
Date Received: 04/08/24
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	ND		mg/l	0.0100	0.00327	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Barium, Total	0.00034	J	mg/l	0.00050	0.00017	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/09/24 13:48	04/11/24 18:12	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Sodium, Total	0.0321	J	mg/l	0.100	0.0293	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/09/24 12:52	04/11/24 14:53	EPA 3005A	1,6020B	EJF

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

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): 07 Batch: WG1906410-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Arsenic, Total	0.00045	J	mg/l	0.00050	0.00016	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Barium, Total	ND		mg/l	0.00050	0.00017	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Nickel, Total	ND		mg/l	0.00200	0.00055	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Sodium, Total	ND		mg/l	0.100	0.0293	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	04/09/24 12:52	04/11/24 17:44	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	04/09/24 12:52	04/11/24 17:44	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): 07 Batch: WG1906411-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/09/24 13:48	04/11/24 17:55	1,7470A	DJR

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

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): 01-05 Batch: WG1906558-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Barium, Total	ND		mg/kg	0.400	0.070	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Calcium, Total	1.44	J	mg/kg	4.00	1.40	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Copper, Total	ND		mg/kg	0.400	0.103	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Iron, Total	0.550	J	mg/kg	2.00	0.361	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Lead, Total	ND		mg/kg	2.00	0.107	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Manganese, Total	ND		mg/kg	0.400	0.064	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Potassium, Total	ND		mg/kg	100	5.76	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Silver, Total	ND		mg/kg	0.200	0.113	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Sodium, Total	2.86	J	mg/kg	80.0	1.26	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/09/24 17:14	04/12/24 13:48	1,6010D	DMC

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2418995
Report Date: 04/21/24

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): 01-05 Batch: WG1906559-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/09/24 17:24	04/12/24 23:37	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1906410-2								
Aluminum, Total	101		-		80-120	-		
Antimony, Total	86		-		80-120	-		
Arsenic, Total	105		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	105		-		80-120	-		
Cadmium, Total	102		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	103		-		80-120	-		
Cobalt, Total	105		-		80-120	-		
Copper, Total	105		-		80-120	-		
Iron, Total	113		-		80-120	-		
Lead, Total	107		-		80-120	-		
Magnesium, Total	106		-		80-120	-		
Manganese, Total	105		-		80-120	-		
Nickel, Total	104		-		80-120	-		
Potassium, Total	109		-		80-120	-		
Selenium, Total	108		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	114		-		80-120	-		
Thallium, Total	113		-		80-120	-		
Vanadium, Total	103		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1906410-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1906411-2					
Mercury, Total	88	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1906558-2					
Aluminum, Total	99	-	80-120	-	
Antimony, Total	105	-	80-120	-	
Arsenic, Total	97	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	106	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	102	-	80-120	-	
Copper, Total	100	-	80-120	-	
Iron, Total	100	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	101	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	107	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	99	-	80-120	-	
Silver, Total	94	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1906558-2					
Zinc, Total	98	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-05 Batch: WG1906559-2					
Mercury, Total	96	-	72-128	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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): 07 QC Batch ID: WG1906410-3 WG1906410-4 QC Sample: L2418256-02 Client ID: MS Sample												
Aluminum, Total	0.056	2	2.03	102		1.95	98		75-125	4		20
Antimony, Total	0.001J	0.5	0.5313	106		0.5116	102		75-125	4		20
Arsenic, Total	0.00564	0.12	0.1302	104		0.1254	100		75-125	4		20
Barium, Total	0.0698	2	2.103	102		2.084	101		75-125	1		20
Beryllium, Total	ND	0.05	0.05276	106		0.05263	105		75-125	0		20
Cadmium, Total	ND	0.053	0.05217	98		0.05085	96		75-125	3		20
Calcium, Total	89.2	10	100	104		98.3	87		75-125	2		20
Chromium, Total	0.0012	0.2	0.1978	99		0.1918	96		75-125	3		20
Cobalt, Total	0.0021	0.5	0.4920	98		0.4810	96		75-125	2		20
Copper, Total	0.0154	0.25	0.2614	98		0.2550	95		75-125	2		20
Iron, Total	2.38	1	3.45	87		3.49	91		75-125	1		20
Lead, Total	0.0004J	0.53	0.5449	103		0.5405	102		75-125	1		20
Magnesium, Total	15.8	10	25.6	104		25.2	100		75-125	2		20
Manganese, Total	0.0514	0.5	0.5419	97		0.5300	94		75-125	2		20
Nickel, Total	0.0021	0.5	0.4911	98		0.4717	94		75-125	4		20
Potassium, Total	5.52	10	15.9	103		15.8	102		75-125	1		20
Selenium, Total	0.003J	0.12	0.120	100		0.116	97		75-125	3		20
Silver, Total	ND	0.05	0.05064	101		0.04926	98		75-125	3		20
Sodium, Total	1090	10	1110	**200**	Q	1080	**0**	Q	75-125	3		20
Thallium, Total	0.0005J	0.12	0.1288	107		0.1281	107		75-125	1		20
Vanadium, Total	ND	0.5	0.4961	99		0.4856	97		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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): 07 QC Batch ID: WG1906410-3 WG1906410-4 QC Sample: L2418256-02 Client ID: MS Sample									
Zinc, Total	0.0065J	0.5	0.5301	106	0.4888	98	75-125	8	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1906411-3 QC Sample: L2419039-06 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00449	90	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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): 01-05 QC Batch ID: WG1906558-3 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)										
Aluminum, Total	5540	185	5860	**173**	Q	-	-	75-125	-	20
Antimony, Total	ND	46.2	46.0	100		-	-	75-125	-	20
Arsenic, Total	2.70	11.1	13.0	93		-	-	75-125	-	20
Barium, Total	36.4	185	208	93		-	-	75-125	-	20
Beryllium, Total	0.277J	4.62	4.62	100		-	-	75-125	-	20
Cadmium, Total	ND	4.89	4.56	93		-	-	75-125	-	20
Calcium, Total	5440	923	7160	**186**	Q	-	-	75-125	-	20
Chromium, Total	10.2	18.5	25.9	85		-	-	75-125	-	20
Cobalt, Total	3.89	46.2	47.7	95		-	-	75-125	-	20
Copper, Total	13.1	23.1	34.7	94		-	-	75-125	-	20
Iron, Total	9330	92.3	9150	**0**	Q	-	-	75-125	-	20
Lead, Total	30.7	48.9	79.0	99		-	-	75-125	-	20
Magnesium, Total	2190	923	3400	**131**	Q	-	-	75-125	-	20
Manganese, Total	287	46.2	330	93		-	-	75-125	-	20
Nickel, Total	8.34	46.2	54.2	99		-	-	75-125	-	20
Potassium, Total	629	923	1490	93		-	-	75-125	-	20
Selenium, Total	ND	11.1	10.3	93		-	-	75-125	-	20
Silver, Total	ND	4.62	3.95	86		-	-	75-125	-	20
Sodium, Total	163J	923	1070	116		-	-	75-125	-	20
Thallium, Total	ND	11.1	8.92	80		-	-	75-125	-	20
Vanadium, Total	12.7	46.2	52.8	87		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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): 01-05 QC Batch ID: WG1906558-3 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)									
Zinc, Total	42.7	46.2	87.3	96	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1906559-3 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)									
Mercury, Total	0.081J	1.71	1.69	98	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1906411-4 QC Sample: L2419039-06 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1906558-4 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)						
Aluminum, Total	5540	5200	mg/kg	6		20
Antimony, Total	ND	0.369J	mg/kg	NC		20
Arsenic, Total	2.70	2.66	mg/kg	1		20
Barium, Total	36.4	31.6	mg/kg	14		20
Beryllium, Total	0.277J	0.267J	mg/kg	NC		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Calcium, Total	5440	5980	mg/kg	9		20
Chromium, Total	10.2	9.22	mg/kg	10		20
Cobalt, Total	3.89	3.94	mg/kg	1		20
Copper, Total	13.1	13.2	mg/kg	1		20
Iron, Total	9330	8620	mg/kg	8		20
Lead, Total	30.7	26.2	mg/kg	16		20
Magnesium, Total	2190	2890	mg/kg	**28**	Q	20
Manganese, Total	287	265	mg/kg	8		20
Nickel, Total	8.34	8.28	mg/kg	1		20
Potassium, Total	629	512	mg/kg	**21**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	163J	155J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1906558-4 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	12.7	10.9	mg/kg	15	20
Zinc, Total	42.7	42.6	mg/kg	0	20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1906559-4 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)					
Mercury, Total	0.081J	0.077J	mg/kg	NC	20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2418995
Report Date: 04/21/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1906410-6 QC Sample: L2418256-02 Client ID: DUP Sample						
Sodium, Total	1090	1120	mg/l	3		20
Total Metals - Mansfield Lab Associated sample(s): 01-05 QC Batch ID: WG1906558-6 QC Sample: L2418995-01 Client ID: EP-41 (5.5' BGS)						
Aluminum, Total	5540	5790	mg/kg	5		20
Barium, Total	36.4	38.5	mg/kg	6		20
Calcium, Total	5440	5790	mg/kg	6		20
Iron, Total	9330	9860	mg/kg	6		20
Magnesium, Total	2190	2310	mg/kg	5		20
Manganese, Total	287	310	mg/kg	8		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-01
Client ID: EP-41 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:00
Date Received: 04/08/24
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	84.8		%	0.100	NA	1	-	04/09/24 09:35	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-02
Client ID: EP-59 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:35
Date Received: 04/08/24
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	91.6		%	0.100	NA	1	-	04/09/24 09:35	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-03
Client ID: EP-64 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 13:50
Date Received: 04/08/24
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	-	04/09/24 09:35	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-04
Client ID: EP-61 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:05
Date Received: 04/08/24
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	90.0		%	0.100	NA	1	-	04/09/24 09:35	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

SAMPLE RESULTS

Lab ID: L2418995-05
Client ID: EP-60A (6' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 04/08/24 14:25
Date Received: 04/08/24
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	86.6		%	0.100	NA	1	-	04/09/24 09:35	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2418995

Report Date: 04/21/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-05 QC Batch ID: WG1906339-1 QC Sample: L2418985-01 Client ID: DUP Sample						
Solids, Total	78.4	80.7	%	3		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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(*)
L2418995-01A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2418995-01B	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-01C	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-01D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2418995-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2418995-01F	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2418995-02A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2418995-02B	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2418995-02C	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2418995-02D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2418995-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2418995-02F	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2418995-02G	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2418995-02H	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2418995-03A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2418995-03B	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2418995-03C	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-03D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2418995-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),AL-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2418995-03F	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2418995-04A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2418995-04B	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-04C	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-04D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2418995-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-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)
L2418995-04F	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2418995-04G	Plastic 2oz unpreserved for TS	A	NA		3.7	Y	Absent		TS(7)
L2418995-04H	Plastic 8oz unpreserved	A	NA		3.7	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2418995-05A	Vial MeOH preserved	A	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L2418995-05B	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-05C	Vial water preserved	A	NA		3.7	Y	Absent	09-APR-24 02:57	NYTCL-8260HLW(14)
L2418995-05D	Plastic 120ml unpreserved	A	NA		3.7	Y	Absent		TS(7)
L2418995-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-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)
L2418995-05F	Glass 250ml/8oz unpreserved	A	NA		3.7	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2418995-06A	Plastic 500ml unpreserved	A	NA		3.7	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2418995-06B	Plastic 950ml unpreserved	A	NA		3.7	Y	Absent		A2-NY-1633-DRAFT-21(28)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2418995-07A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2418995-07B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2418995-07C	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2418995-07D	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(365)
L2418995-07E	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8082-LVI(365)
L2418995-07F	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L2418995-07G	Amber 120ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8081(7)
L2418995-07H	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2418995-07J	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2418995-07K	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2418995-07L	Amber 250ml unpreserved	A	7	7	3.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2418995-07M	Plastic 250ml HNO3 preserved	A	<2	<2	3.7	Y	Absent		SE-6020T(180),BA-6020T(180),FE-6020T(180),TL-6020T(180),NI-6020T(180),CA-6020T(180),K-6020T(180),CR-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),AL-6020T(180),AG-6020T(180),CD-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2418995-08A	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)
L2418995-08B	Vial HCl preserved	A	NA		3.7	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2418995
Report Date: 04/21/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2418995
Project Number:	41.0163097.00	**Report Date:**	04/21/24

REFERENCES

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

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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FAX: 508-898-9193

Mansfield, MA 02048
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FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12206: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 4/9/24

ALPHA Job #: L2418995

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Billing Information

☐ Same as Client Info
PO #

Regulatory Requirement

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

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

Sample Filtration

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8082A/8081B	1,4-Dioxane	PFAS 1633	Total Bottle	Sample Specific Comments
18995-01	EP-41 (5.5' bgs)	4/8/2024	13:00	S	JN	X	X	X	X	X			
-02	EP-59 (5.5' bgs)		13:35								X		
-03	EP-64 (5.5' bgs)		13:50										
-04	EP-61 (5.5' bgs)		14:05								X		
-05	EP-60A (6' bgs)		14:25										
-06	FB PFAS 2024-04-08		14:35	W							X		
-07	FB 2024-04-08		14:40			X	X	X	X	X			
-08	TB 2024-04-08		-			X	X	X	X	X	X		

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

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

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

Container Type	V	A	P	A	A	P			
Preservative	B		C						

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	4/8/2024 15:26		
	4-8-24 810		4/8/24 18:3
	4/8/24 AA 1100		4/8/24 22:00
			4/9/24 0100

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)

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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Stephen M. Kline, P.E.

Date: May 23, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on **Drawing 1** – IRM Endpoint Sample Results Map (see attached).

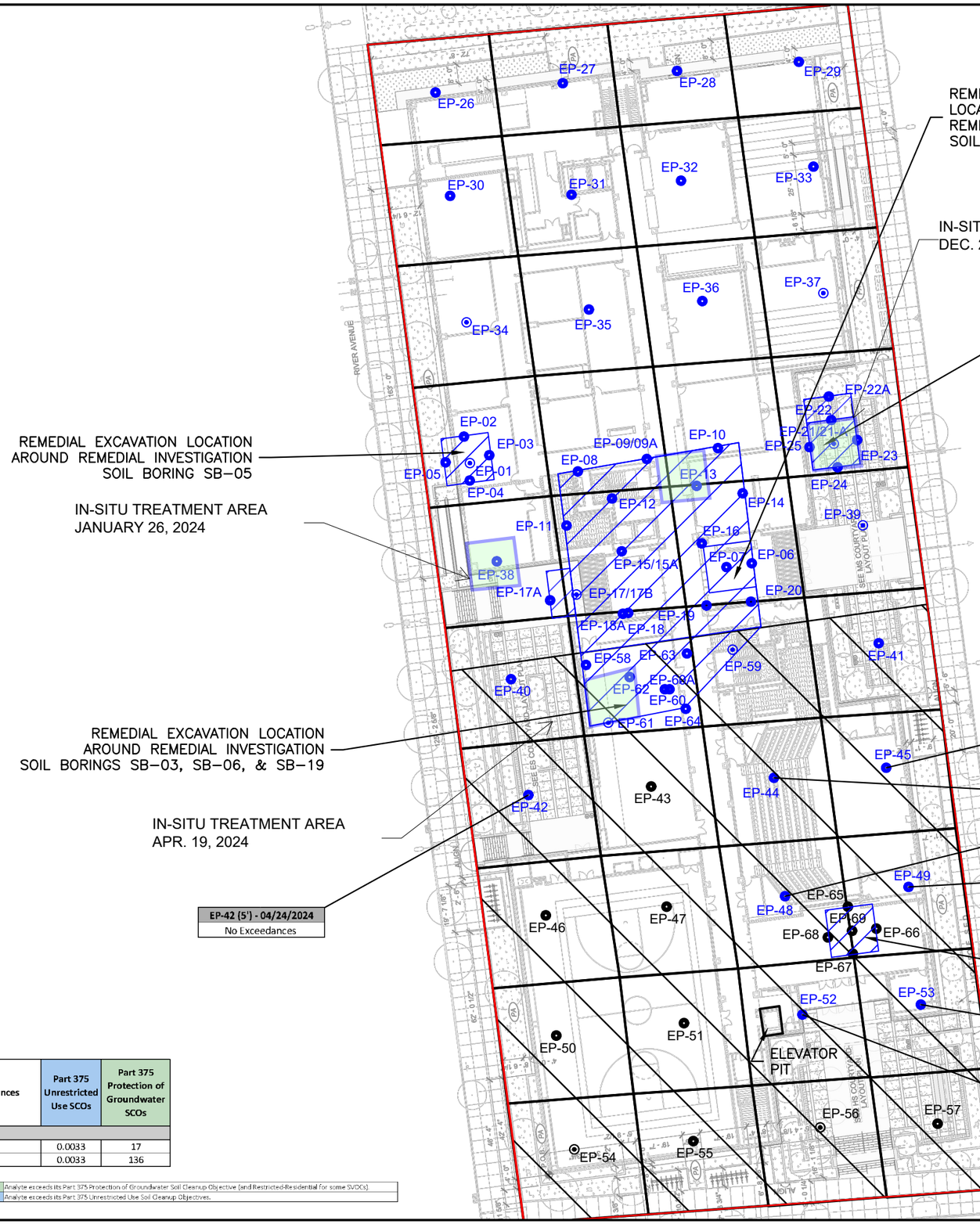
On April 24, 2024, GZA collected EP-42, EP-44, EP-45, EP-48, EP-49, EP-52, and EP-53, at 5 feet below ground surface (bgs). The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls in Endpoint Soil Sample

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). This memorandum also transmits to the NYSDEC the laboratory report (Project ID No. L2422539) that were prepared by Alpha Analytical Laboratories (a subsidiary of Pace Analytical Laboratories) of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see **Attachment A**).

An Equal Opportunity Employer M/F/V/H

FIGURES



REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–20

IN-SITU TREATMENT AREA DEC. 21, 2023

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–23

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–05

IN-SITU TREATMENT AREA JANUARY 26, 2024

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORINGS SB–03, SB–06, & SB–19

IN-SITU TREATMENT AREA APR. 19, 2024

EP-42 (5') - 04/24/2024
No Exceedances

EP-45 (5') - 04/24/2023	
Pesticides	
4,4'-DDT	0.00338

EP-44 (5') - 04/24/2024
No Exceedances

EP-48 (5') - 04/24/2024
No Exceedances

EP-49 (5') - 04/24/2024
No Exceedances

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–14

EP-53 (5') - 04/24/2023	
Pesticides	
4,4'-DDE	0.00511
4,4'-DDT	0.0038

EP-52 (5') - 04/24/2024
No Exceedances

0 25 50 100

SCALE IN FEET

Soil Exceedances	Part 375 Unrestricted Use SCOs	Part 375 Protection of Groundwater SCOs
Pesticides		
4,4'-DDE	0.0033	17
4,4'-DDT	0.0033	136

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (and Restricted-Residential for some SVOCs).

Analyte exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SITE – LAYOUT PLAN", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 05–26–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE – SOUTHERN EXTENT
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- EP-02 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-01 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- **IN-SITU TREATMENT AREAS**

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (APRIL 24, 2024)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	1
DATE: MAY 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 SE Spider Diagram_EPs.dwg [F8 – IRM EP Samples] May 21, 2024 – 12:39pm Jazlyn.Natalie

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-42		EP-44		EP-45		EP-48		EP-49		EP-52		EP-53	
LAB SAMPLE ID				L2422539-07		L2422539-02		L2422539-01		L2422539-03		L2422539-04		L2422539-05		L2422539-06	
DATE				4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)																	
1,1,1,2-Tetrachloroethane	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00066		0.00064		0.00035	J	0.00035	J	0.00078		0.00069		0.00036	J
1,1,2,2-Tetrachloroethane	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
1,1,2-Trichloroethane	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.0011	U	0.0003	J	0.00021	J	0.00091	U	0.00027	J	0.00016	J	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
1,2,3-Trichlorobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.00047	J	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.00033	J
1,2,4-Trichlorobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0018	J	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.00044	J	0.00055	J
1,2-Dibromo-3-chloropropane	--	--	--	0.0034	U	0.0033	U	0.0029	U	0.0027	U	0.0032	U	0.0031	U	0.003	U
1,2-Dibromoethane	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.0011	U	0.0014		0.00075	J	0.00061	J	0.0011		0.00079	J	0.00034	J
1,2-Dichloropropane	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0011	J	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.00032	J	0.00048	J
1,3-Dichlorobenzene	2.4	49	2.4	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,3-Dichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.091	U	0.087	U	0.078	U	0.073	U	0.085	U	0.084	U	0.081	U
2,2-Dichloropropane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
2-Butanone	0.12	100	0.12	0.0028	J	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
2-Hexanone	--	--	--	0.011	U	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.011	U	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
Acetone	0.05	100	0.05	0.04		0.011	U	0.0098	U	0.0091	U	0.0053	J	0.026		0.019	
Acrylonitrile	--	--	--	0.0045	U	0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0042	U	0.0041	U
Benzene	0.06	4.8	0.06	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
Bromobenzene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Bromochloromethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Bromodichloromethane	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
Bromoform	--	--	--	0.0045	U	0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0042	U	0.0041	U
Bromomethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Carbon disulfide	--	--	--	0.011	U	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
Chloroethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Chloroform	0.37	49	0.37	0.0017	U	0.0016	U	0.0015	U	0.0014	U	0.0016	U	0.0016	U	0.00065	J
Chloromethane	--	--	--	0.0045	U	0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0042	U	0.0041	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0011	U	0.0014		0.00075	J	0.00061	J	0.0011		0.00079	J	0.00034	J
cis-1,3-Dichloropropene	--	--	--	0.00057	U	0.00054	U	0.00049	U	0.00046	U	0.00053	U	0.00052	U	0.00051	U
Dibromochloromethane	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Dibromomethane	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.011	U	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
Ethyl ether	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Ethylbenzene	1	41	1	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.00016	J
Hexachlorobutadiene	--	--	--	0.0045	U	0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0042	U	0.0041	U
Isopropylbenzene	--	--	--	0.0006	J	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.00048	J	0.00048	J
Methyl tert butyl ether	0.93	100	0.93	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0057	U	0.0054	U	0.0049	U	0.0046	U	0.0053	U	0.0052	U	0.0051	U
n-Butylbenzene	12	100	12	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
n-Propylbenzene	3.9	100	3.9	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Naphthalene	12	100	12	0.0062		0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0011	J	0.0026	J
o-Chlorotoluene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
o-Xylene	--	--	--	0.0011		0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.00071	J	0.00084	J
p-Chlorotoluene	--	--	--	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
p-Diethylbenzene	--	--	--	0.001	J	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.00024	J	0.00058	J
p-Ethyltoluene	--	--	--	0.0006	J	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
p-Isopropyltoluene	--	--	--	0.00064	J	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.00054	J	0.00053	J
p/m-Xylene	--	--	--	0.001	J	0.0022	U	0.002	U	0.00051	J	0.0006	J	0.00073	J	0.0011	J
sec-Butylbenzene	11	100	11	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Styrene	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.0023	U	0.0022	U	0.002	U	0.0018	U	0.0021	U	0.0021	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.0011		0.00065		0.00054		0.002		0.00085		0.003		0.011	
Toluene	0.7	100	0.7	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0017	U	0.0016	U	0.0015	U	0.0014	U	0.0016	U	0.0016	U	0.0015	U
trans-1,3-Dichloropropene	--	--	--	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0057	U	0.0054	U	0.0049	U	0.0046	U	0.0053	U	0.0052	U	0.0051	U
Trichloroethene	0.47	21	0.47	0.0011		0.0052		0.003		0.0029		0.0041		0.0038		0.0036	
Trichlorofluoromethane	--	--	--	0.0034	J	0.0044	U	0.0039	U	0.0036	U	0.0043	U	0.0042	U	0.0041	U
Vinyl acetate	--	--	--	0.011	U	0.011	U	0.0098	U	0.0091	U	0.011	U	0.01	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.0011	U	0.0011	U	0.00098	U	0.00091	U	0.0011	U	0.001	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.0021	J	0.0011	U	0.00098	U	0.00051	J	0.0006	J	0.0014	J	0.0019	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-42		EP-44		EP-45		EP-48		EP-49		EP-52		EP-53	
LAB SAMPLE ID				L2422539-07		L2422539-02		L2422539-01		L2422539-03		L2422539-04		L2422539-05		L2422539-06	
DATE				4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)																	
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.027	U	0.028	U	0.028	U	0.028	U	0.027	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.85	U	0.89	U	0.89	U	0.88	U	0.86	U	0.87	U	0.86	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.21	U	0.024	J	0.22	U	0.22	U	0.22	U	0.22	U	0.038	J
2-Methylphenol	0.33	100	0.33	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.38	U	0.4	U	0.4	U	0.4	U	0.39	U	0.39	U	0.38	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.27	U	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.48	U	0.48	U	0.48	U	0.46	U	0.47	U	0.46	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.26	U	0.26	U	0.26	U	0.25	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.14	U	0.13	J	0.075	J	0.06	J	0.031	J	0.044	J	0.14	
Acenaphthylene	100	1000	107	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.053	J	0.028	J
Acetophenone	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.14		0.11		0.084	J	0.056	J	0.075	J	0.21	
Benzo(a)anthracene	1	1	1	0.11	U	0.3		0.25		0.18		0.16		0.14		0.4	
Benzo(a)pyrene	1	1	22	0.14	U	0.3		0.22		0.18		0.18		0.13	J	0.36	
Benzo(b)fluoranthene	1	1	1.7	0.11	U	0.34		0.29		0.22		0.21		0.16		0.45	
Benzo(ghi)perylene	100	100	1000	0.14	U	0.19		0.15		0.11	J	0.12	J	0.094	J	0.25	
Benzo(k)fluoranthene	0.8	3.9	1.7	0.11	U	0.14		0.086	J	0.066	J	0.067	J	0.059	J	0.14	
Benzoic Acid	--	--	--	0.58	U	0.6	U	0.6	U	0.6	U	0.58	U	0.59	U	0.18	J
Benzyl Alcohol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.4	U	0.42	U	0.42	U	0.42	U	0.41	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.2	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.081	J	0.18	U	0.087	J	0.18	U	0.099	J	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.075	J	0.18	U
Carbazole	--	--	--	0.18	U	0.081	J	0.053	J	0.049	J	0.031	J	0.04	J	0.12	J
Chrysene	1	3.9	1	0.11	U	0.27		0.23		0.16		0.15		0.13		0.35	
Di-n-butylphthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.045	J	0.034	J	0.025	J	0.026	J	0.021	J	0.055	J
Dibenzofuran	7	59	210	0.18	U	0.057	J	0.03	J	0.034	J	0.02	J	0.027	J	0.096	J
Diethyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.11	U	0.78		0.55		0.47		0.38		0.36		1.1	
Fluorene	30	100	386	0.18	U	0.086	J	0.046	J	0.044	J	0.025	J	0.034	J	0.11	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.53	U	0.53	U	0.52	U	0.51	U	0.52	U	0.51	U
Hexachloroethane	--	--	--	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.18		0.14	J	0.11	J	0.11	J	0.084	J	0.23	
Isophorone	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Naphthalene	12	100	12	0.18	U	0.066	J	0.047	J	0.044	J	0.026	J	0.035	J	0.11	J
NDPA/DPA	--	--	--	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.17	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.14	U	0.15	U	0.15	U	0.15	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.11	U	0.62		0.4		0.35		0.23		0.27		0.91	
Phenol	0.33	100	0.33	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.11	U	0.67		0.47		0.39		0.34		0.32		0.91	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-42		EP-44		EP-45		EP-48		EP-49		EP-52		EP-53	
LAB SAMPLE ID				L2422539-07		L2422539-02		L2422539-01		L2422539-03		L2422539-04		L2422539-05		L2422539-06	
DATE				4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																	
Aluminum, Total	--	--	--	5790		5700		5930		6690		5550		5620		7080	
Antimony, Total	--	--	--	0.34	J	0.392	J	0.508	J	4.38	U	0.43	J	0.447	J	0.384	J
Arsenic, Total	13	16	16	1.34		2.85		3.1		3.13		3.34		2.79		6.63	
Barium, Total	350	400	820	28.1		40.1		42		36.8		40.4		35.9		59	
Beryllium, Total	7.2	72	47	0.27	J	0.279	J	0.313	J	0.35	J	0.358	J	0.319	J	0.403	J
Cadmium, Total	2.5	4.3	7.5	0.836	U	0.888	U	0.9	U	0.875	U	0.878	U	0.859	U	0.86	U
Calcium, Total	--	--	--	920		5420		7210		5190		4400		5390		14400	
Chromium, Total*	30	180	--	9.35		10.7		14.8		15		12		10.1		14.6	
Colbalt, Total	--	--	--	3.29		3.95		3.85		3.66		4.81		3.58		4.7	
Copper, Total	50	270	1720	5.32		16.1		13.6		10.5		21.8		11.4		16.1	
Iron, Total	--	--	--	8640		10100		10500		10600		10100		9790		12400	
Lead, Total	63	400	450	5.24		38.8		25.8		21.2		31.4		19.4		28.7	
Magnesium, Total	--	--	--	1560		2330		2700		2490		2140		2070		2590	
Manganese, Total	1600	2000	2000	198		316		372		346		269		311		272	
Mercury, Total	0.18	0.81	0.73	0.069	U	0.084	U	0.055	J	0.085	U	0.064	J	0.091	U	0.062	J
Nickel, Total	30	310	130	7.24		8.78		9.45		8.44		9.23		8.38		10.9	
Potassium, Total	--	--	--	459		657		673		632		634		601		847	
Selenium, Total	3.9	180	4	1.67	U	1.78	U	1.8	U	1.75	U	1.76	U	1.72	U	1.72	U
Silver, Total	2	180	8.3	0.418	U	0.444	U	0.45	U	0.438	U	0.439	U	0.43	U	0.43	U
Sodium, Total	--	--	--	117	J	130	J	151	J	152	J	177		228		279	
Thallium, Total	--	--	--	0.346	J	0.475	J	0.303	J	1.75	U	0.383	J	0.33	J	0.493	J
Vanadium, Total	--	--	--	10.6		14.6		13.8		14.2		13.6		13.3		16.8	
Zinc, Total	109	10000	2480	15.2		44.5		39.7		30.9		66.2		34.3		64.1	

Table Notes:

--: No guidance value
***** Total chromium was compared to the trivalent chromium SCOs.
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-42		EP-44		EP-45		EP-48		EP-49		EP-52		EP-53	
LAB SAMPLE ID				L2422539-07		L2422539-02		L2422539-01		L2422539-03		L2422539-04		L2422539-05		L2422539-06	
DATE				4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024		4/24/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081																	
4,4'-DDD	0.0033	13	14	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
4,4'-DDE	0.0033	8.9	17	0.00171	U	0.00154	J	0.00166	J	0.000989	J	0.000768	J	0.00192		**0.00511**	
4,4'-DDT	0.0033	7.9	136	0.00171	U	0.00258		**0.00338**		0.00168	U	0.00174	U	0.00157	J	**0.0038**	
Aldrin	0.005	0.097	0.19	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Alpha-BHC	0.02	0.48	0.02	0.000714	U	0.000721	U	0.000732	U	0.000699	U	0.000727	U	0.000709	U	0.000707	U
Beta-BHC	0.036	0.36	0.09	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Chlordane	--	--	--	0.0143	U	0.0144	U	0.0146	U	0.014	U	0.0145	U	0.0142	U	0.0141	U
cis-Chlordane	0.094	4.2	2.9	0.00214	U	0.00216	U	0.0022	U	0.0021	U	0.00218	U	0.00213	U	0.00212	U
Delta-BHC	0.04	100	0.25	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Dieldrin	0.005	0.2	0.1	0.00107	U	0.00108	U	0.0011	U	0.00105	U	0.00109	U	0.00106	U	0.00106	U
Endosulfan I	2.4	24	102	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Endosulfan II	2.4	24	102	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Endosulfan sulfate	2.4	24	1000	0.000714	U	0.000721	U	0.000732	U	0.000699	U	0.000727	U	0.000709	U	0.000707	U
Endrin	0.014	11	0.06	0.000714	U	0.000721	U	0.000732	U	0.000699	U	0.000727	U	0.000709	U	0.000707	U
Endrin aldehyde	--	--	--	0.00214	U	0.00216	U	0.0022	U	0.0021	U	0.00218	U	0.00213	U	0.00212	U
Endrin ketone	--	--	--	0.00171	U	0.00173	U	0.00176	U	0.00168	U	0.00174	U	0.0017	U	0.0017	U
Heptachlor	0.042	2.1	0.38	0.000857	U	0.000865	U	0.000879	U	0.000838	U	0.000873	U	0.000851	U	0.000848	U
Heptachlor epoxide	--	--	--	0.00322	U	0.00324	U	0.0033	U	0.00314	U	0.00327	U	0.00319	U	0.00318	U
Lindane	0.1	1.3	0.1	0.000714	U	0.000721	U	0.000732	U	0.000699	U	0.000727	U	0.000709	U	0.000707	U
Methoxychlor	--	--	--	0.00322	U	0.00324	U	0.0033	U	0.00314	U	0.00327	U	0.00319	U	0.00318	U
Toxaphene	--	--	--	0.0322	U	0.0324	U	0.033	U	0.0314	U	0.0327	U	0.0319	U	0.0318	U
trans-Chlordane	--	--	--	0.00214	U	0.00216	U	0.0022	U	0.0021	U	0.00218	U	0.00213	U	0.00212	U
Polychlorinated Biphenyls by EPA Method 8082A																	
Aroclor 1016	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1221	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1232	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1242	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1254	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1260	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1262	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
Aroclor 1268	0.1	1	3.2	0.0513	U	0.0529	U	0.0529	U	0.0527	U	0.0519	U	0.053	U	0.0537	U
PCBs, Total	0.1	1	3.2	0.0513	U	0.0529	U	0.0104	J	0.0527	U	0.0519	U	0.053	U	0.0537	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.
U: Not detected at the reported detection limit for the sample.
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).
Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2422539
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	05/03/24

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

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2422539-01	EP-45 (5'BGS)	SOIL	BRONX, NY	04/24/24 10:55	04/24/24
L2422539-02	EP-44 (5'BGS)	SOIL	BRONX, NY	04/24/24 11:10	04/24/24
L2422539-03	EP-48 (5'BGS)	SOIL	BRONX, NY	04/24/24 11:40	04/24/24
L2422539-04	EP-49 (5'BGS)	SOIL	BRONX, NY	04/24/24 12:00	04/24/24
L2422539-05	EP-52 (5'BGS)	SOIL	BRONX, NY	04/24/24 13:35	04/24/24
L2422539-06	EP-53 (5'BGS)	SOIL	BRONX, NY	04/24/24 13:50	04/24/24
L2422539-07	EP-42 (5'BGS)	SOIL	BRONX, NY	04/24/24 14:15	04/24/24
L2422539-08	FD-3 2024-04-24 (5'BGS)	SOIL	BRONX, NY	04/24/24 00:00	04/24/24
L2422539-09	FB 2024-04-24	WATER	BRONX, NY	04/24/24 12:50	04/24/24
L2422539-10	TB 2024-04-24	WATER	BRONX, NY	04/24/24 00:00	04/24/24

Project Name:	SA 101 E 150TH	**Lab Number:**	L2422539
Project Number:	41.0163097.00	**Report Date:**	05/03/24

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 E 150TH	**Lab Number:**	L2422539
Project Number:	41.0163097.00	**Report Date:**	05/03/24

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.

Semivolatile Organics

The WG1914000-4/-5 MS/MSD recoveries, performed on L2422539-03, are below the acceptance criteria for 2,4-dinitrophenol (0%/0%) and benzoic acid (0%/0%) due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

Total Metals

L2422539-01 through -08: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1914781-3/-4 MS/MSD recoveries for aluminum (705%/917%), calcium (560%/153%), and iron (583%/2080%), performed on L2422539-03, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1914781-3/-4 MS/MSD recoveries, performed on L2422539-03, are outside the acceptance criteria for chromium (MSD 126%), lead (MSD 134%), magnesium (MS 240%), potassium (MS 172%), and sodium (129%/129%). A post digestion spike was performed and was within acceptance criteria.

The WG1914781-3/-4 MS/MSD RPDs for calcium (42%), lead (22%), magnesium (32%), and potassium (24%), performed on L2422539-03, are 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 Stenstrom

Title: Technical Director/Representative Date: 05/03/24

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 10:55
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/30/24 12:26
Analyst: JIC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	0.21	J	ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	0.54		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	0.35	J	ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01 Date Collected: 04/24/24 10:55

Client ID: EP-45 (5'BGS) Date Received: 04/24/24

Sample Location: 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	3.0		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	0.75	J	ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	0.75	J	ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.90	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.5	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 10:55
Date Received: 04/24/24
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	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:10
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/30/24 12:52
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	0.30	J	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	0.65		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	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	0.64		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	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	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02 Date Collected: 04/24/24 11:10

Client ID: EP-44 (5'BGS) Date Received: 04/24/24

Sample Location: 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	5.2		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	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	1.4		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	1.4		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	5.2	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	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:10
Date Received: 04/24/24
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	1.1	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	5.4	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	108		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:40
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 15:00
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	0.91	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	2.0		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	0.35	J	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	0.49	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	0.30	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03 Date Collected: 04/24/24 11:40

Client ID: EP-48 (5'BGS) Date Received: 04/24/24

Sample Location: 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	2.9		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	0.13	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	0.51	J	ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	0.51	J	ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	0.61	J	ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	0.61	J	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	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	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	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 15:26
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	5.3	2.4	1
1,1-Dichloroethane	0.27	J	ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	0.85		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	0.78		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.1		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.60	J	ug/kg	2.1	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	0.60	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	1.1		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	1.1		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	5.3	J	ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.69	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:00
Date Received: 04/24/24
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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	85	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:35
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 15:52
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	5.2	2.4	1
1,1-Dichloroethane	0.16	J	ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	3.0		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	0.69		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05 Date Collected: 04/24/24 13:35

Client ID: EP-52 (5'BGS) Date Received: 04/24/24

Sample Location: 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	3.8		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.73	J	ug/kg	2.1	0.59	1
o-Xylene	0.71	J	ug/kg	1.0	0.30	1
Xylenes, Total	1.4	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.79	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.79	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	26		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	0.48	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.54	J	ug/kg	1.0	0.11	1
Naphthalene	1.1	J	ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:35
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	0.32	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	0.44	J	ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	0.24	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 16:17
Analyst: JIC
Percent Solids: 92%

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	0.65	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	11		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	0.36	J	ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	0.16	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.6		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	1.1	J	ug/kg	2.0	0.57	1
o-Xylene	0.84	J	ug/kg	1.0	0.30	1
Xylenes, Total	1.9	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.34	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.34	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	19		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	0.48	J	ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.53	J	ug/kg	1.0	0.11	1
Naphthalene	2.6	J	ug/kg	4.1	0.66	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	0.48	J	ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	0.55	J	ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	0.58	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	0.33	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	97.1	J	ug/kg			1
Butane, 2-Methyl-	11.0	NJ	ug/kg			1
Unknown	2.86	J	ug/kg			1
Unknown	83.2	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 14:15
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 16:43
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	5.7	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	1.1		ug/kg	0.57	0.22	1
Chlorobenzene	ND		ug/kg	0.57	0.14	1
Trichlorofluoromethane	3.4	J	ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	0.66		ug/kg	0.57	0.19	1
Bromodichloromethane	ND		ug/kg	0.57	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.57	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.57	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	0.19	1
Benzene	ND		ug/kg	0.57	0.19	1
Toluene	ND		ug/kg	1.1	0.62	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.3	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.3	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07 Date Collected: 04/24/24 14:15

Client ID: EP-42 (5'BGS) Date Received: 04/24/24

Sample Location: 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	1.1		ug/kg	0.57	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	1.0	J	ug/kg	2.3	0.63	1
o-Xylene	1.1		ug/kg	1.1	0.33	1
Xylenes, Total	2.1	J	ug/kg	1.1	0.33	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	40		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	2.8	J	ug/kg	11	2.5	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	2.3	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.3	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.57	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.3	0.13	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	0.60	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	0.64	J	ug/kg	1.1	0.12	1
Naphthalene	6.2		ug/kg	4.5	0.74	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 14:15
Date Received: 04/24/24
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	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	1.1	J	ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	1.8	J	ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	91	40.	1
p-Diethylbenzene	1.0	J	ug/kg	2.3	0.20	1
p-Ethyltoluene	0.60	J	ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	0.47	J	ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.7	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	48.4	J	ug/kg			1
Butane, 2-Methyl-	5.15	NJ	ug/kg			1
Unknown	38.4	J	ug/kg			1
Unknown	4.83	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 04/29/24 17:09
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	1
1,1-Dichloroethane	0.85	J	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	1.4		ug/kg	0.47	0.18	1
Chlorobenzene	ND		ug/kg	0.47	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	3.7		ug/kg	0.47	0.16	1
Bromodichloromethane	ND		ug/kg	0.47	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.93	0.25	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	3.7	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	0.93	0.51	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	0.61	J	ug/kg	0.93	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08 Date Collected: 04/24/24 00:00

Client ID: FD-3 2024-04-24 (5'BGS) Date Received: 04/24/24

Sample Location: 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	14		ug/kg	0.47	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	0.60	J	ug/kg	1.9	0.52	1
o-Xylene	0.61	J	ug/kg	0.93	0.27	1
Xylenes, Total	1.2	J	ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	4.2		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	4.2		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	0.47	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	0.48	J	ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
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	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	75	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	4.7	1.3	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	99		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	104		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/29/24 16:08
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	111		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-10
Client ID: TB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 04/29/24 15:44
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-10
Client ID: TB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-10
Client ID: TB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	107		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 08:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1915006-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 08:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1915006-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 08:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1915006-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 08:04
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09-10 Batch: WG1915006-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	113		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/30/24 09:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1915166-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/30/24 09:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1915166-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/30/24 09:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1915166-5					
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	0.40	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/30/24 09:48
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1915166-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	105		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 12:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-08 Batch: WG1915178-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.20	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 12:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-08 Batch: WG1915178-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 12:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-08 Batch: WG1915178-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 04/29/24 12:51
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03-08 Batch: WG1915178-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1915006-3 WG1915006-4								
Methylene chloride	99		98		70-130	1		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	99		100		70-130	1		20
Carbon tetrachloride	98		97		63-132	1		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	93		93		63-130	0		20
1,1,2-Trichloroethane	99		100		70-130	1		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	98		96		75-130	2		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		98		70-130	4		20
1,1,1-Trichloroethane	94		98		67-130	4		20
Bromodichloromethane	99		99		67-130	0		20
trans-1,3-Dichloropropene	94		94		70-130	0		20
cis-1,3-Dichloropropene	100		99		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	89		93		54-136	4		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	99		95		70-130	4		20
Ethylbenzene	97		96		70-130	1		20
Chloromethane	110		100		64-130	10		20
Bromomethane	91		93		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1915006-3 WG1915006-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	94		93		61-145	1		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	96		96		70-130	0		20
1,2-Dichlorobenzene	96		97		70-130	1		20
1,3-Dichlorobenzene	100		98		70-130	2		20
1,4-Dichlorobenzene	98		98		70-130	0		20
Methyl tert butyl ether	93		95		63-130	2		20
p/m-Xylene	110		105		70-130	5		20
o-Xylene	110		105		70-130	5		20
cis-1,2-Dichloroethene	94		100		70-130	6		20
Dibromomethane	88		93		70-130	6		20
1,2,3-Trichloropropane	91		92		64-130	1		20
Acrylonitrile	88		92		70-130	4		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	96		98		36-147	2		20
Acetone	81		95		58-148	16		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	74		97		63-138	**27**	Q	20
Vinyl acetate	130		130		70-130	0		20
4-Methyl-2-pentanone	82		90		59-130	9		20
2-Hexanone	80		84		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1915006-3 WG1915006-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	110		110		63-133	0		20
1,2-Dibromoethane	98		98		70-130	0		20
1,3-Dichloropropane	98		96		70-130	2		20
1,1,1,2-Tetrachloroethane	100		98		64-130	2		20
Bromobenzene	99		99		70-130	0		20
n-Butylbenzene	95		93		53-136	2		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	96		96		70-130	0		20
o-Chlorotoluene	99		94		70-130	5		20
p-Chlorotoluene	97		94		70-130	3		20
1,2-Dibromo-3-chloropropane	78		83		41-144	6		20
Hexachlorobutadiene	95		99		63-130	4		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	96		93		70-130	3		20
Naphthalene	82		87		70-130	6		20
n-Propylbenzene	97		95		69-130	2		20
1,2,3-Trichlorobenzene	87		93		70-130	7		20
1,2,4-Trichlorobenzene	93		91		70-130	2		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	96		110		56-162	14		20
p-Diethylbenzene	94		94		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09-10 Batch: WG1915006-3 WG1915006-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	87		88		70-130	1		20
Ethyl ether	110		110		59-134	0		20
trans-1,4-Dichloro-2-butene	82		93		70-130	13		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		103		70-130
Toluene-d8	96		94		70-130
4-Bromofluorobenzene	92		91		70-130
Dibromofluoromethane	106		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1915166-3 WG1915166-4								
Methylene chloride	83		82		70-130	1		30
1,1-Dichloroethane	93		93		70-130	0		30
Chloroform	92		92		70-130	0		30
Carbon tetrachloride	89		88		70-130	1		30
1,2-Dichloropropane	91		91		70-130	0		30
Dibromochloromethane	92		90		70-130	2		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	89		86		70-130	3		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	95		94		70-139	1		30
1,2-Dichloroethane	94		96		70-130	2		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	91		93		70-130	2		30
trans-1,3-Dichloropropene	96		95		70-130	1		30
cis-1,3-Dichloropropene	92		93		70-130	1		30
1,1-Dichloropropene	87		87		70-130	0		30
Bromoform	89		90		70-130	1		30
1,1,2,2-Tetrachloroethane	93		96		70-130	3		30
Benzene	89		88		70-130	1		30
Toluene	91		90		70-130	1		30
Ethylbenzene	93		92		70-130	1		30
Chloromethane	98		97		52-130	1		30
Bromomethane	122		119		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1915166-3 WG1915166-4								
Vinyl chloride	100		99		67-130	1		30
Chloroethane	96		96		50-151	0		30
1,1-Dichloroethene	96		96		65-135	0		30
trans-1,2-Dichloroethene	89		88		70-130	1		30
Trichloroethene	91		92		70-130	1		30
1,2-Dichlorobenzene	96		96		70-130	0		30
1,3-Dichlorobenzene	98		98		70-130	0		30
1,4-Dichlorobenzene	97		96		70-130	1		30
Methyl tert butyl ether	87		87		66-130	0		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	94		92		70-130	2		30
cis-1,2-Dichloroethene	88		87		70-130	1		30
Dibromomethane	90		90		70-130	0		30
Styrene	94		93		70-130	1		30
Dichlorodifluoromethane	112		108		30-146	4		30
Acetone	100		95		54-140	5		30
Carbon disulfide	93		91		59-130	2		30
2-Butanone	95		89		70-130	7		30
Vinyl acetate	100		99		70-130	1		30
4-Methyl-2-pentanone	85		85		70-130	0		30
1,2,3-Trichloropropane	91		92		68-130	1		30
2-Hexanone	78		79		70-130	1		30
Bromochloromethane	87		85		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1915166-3 WG1915166-4								
2,2-Dichloropropane	97		96		70-130	1		30
1,2-Dibromoethane	93		92		70-130	1		30
1,3-Dichloropropane	92		91		69-130	1		30
1,1,1,2-Tetrachloroethane	92		91		70-130	1		30
Bromobenzene	92		93		70-130	1		30
n-Butylbenzene	102		102		70-130	0		30
sec-Butylbenzene	96		95		70-130	1		30
tert-Butylbenzene	94		94		70-130	0		30
o-Chlorotoluene	96		96		70-130	0		30
p-Chlorotoluene	96		95		70-130	1		30
1,2-Dibromo-3-chloropropane	84		86		68-130	2		30
Hexachlorobutadiene	88		87		67-130	1		30
Isopropylbenzene	98		96		70-130	2		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	95		94		70-130	1		30
Acrylonitrile	91		92		70-130	1		30
n-Propylbenzene	99		99		70-130	0		30
1,2,3-Trichlorobenzene	94		94		70-130	0		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	95		94		70-130	1		30
1,2,4-Trimethylbenzene	94		94		70-130	0		30
1,4-Dioxane	67		69		65-136	3		30
p-Diethylbenzene	93		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1915166-3 WG1915166-4								
p-Ethyltoluene	97		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		30
Ethyl ether	95		93		67-130	2		30
trans-1,4-Dichloro-2-butene	112		109		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	105		106		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 Batch: WG1915178-3 WG1915178-4								
Methylene chloride	94		94		70-130	0		30
1,1-Dichloroethane	97		100		70-130	3		30
Chloroform	103		105		70-130	2		30
Carbon tetrachloride	111		111		70-130	0		30
1,2-Dichloropropane	98		102		70-130	4		30
Dibromochloromethane	108		111		70-130	3		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	105		106		70-130	1		30
Chlorobenzene	105		106		70-130	1		30
Trichlorofluoromethane	104		102		70-139	2		30
1,2-Dichloroethane	100		103		70-130	3		30
1,1,1-Trichloroethane	110		111		70-130	1		30
Bromodichloromethane	106		108		70-130	2		30
trans-1,3-Dichloropropene	103		107		70-130	4		30
cis-1,3-Dichloropropene	95		97		70-130	2		30
1,1-Dichloropropene	97		98		70-130	1		30
Bromoform	91		109		70-130	18		30
1,1,2,2-Tetrachloroethane	87		104		70-130	18		30
Benzene	102		104		70-130	2		30
Toluene	100		102		70-130	2		30
Ethylbenzene	104		106		70-130	2		30
Chloromethane	88		89		52-130	1		30
Bromomethane	103		87		57-147	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 Batch: WG1915178-3 WG1915178-4								
Vinyl chloride	99		102		67-130	3		30
Chloroethane	111		96		50-151	14		30
1,1-Dichloroethene	96		96		65-135	0		30
trans-1,2-Dichloroethene	102		102		70-130	0		30
Trichloroethene	105		107		70-130	2		30
1,2-Dichlorobenzene	91		107		70-130	16		30
1,3-Dichlorobenzene	92		106		70-130	14		30
1,4-Dichlorobenzene	90		105		70-130	15		30
Methyl tert butyl ether	101		104		66-130	3		30
p/m-Xylene	98		99		70-130	1		30
o-Xylene	98		99		70-130	1		30
cis-1,2-Dichloroethene	103		103		70-130	0		30
Dibromomethane	103		107		70-130	4		30
Styrene	102		104		70-130	2		30
Dichlorodifluoromethane	99		100		30-146	1		30
Acetone	106		87		54-140	20		30
Carbon disulfide	94		94		59-130	0		30
2-Butanone	99		90		70-130	10		30
Vinyl acetate	103		102		70-130	1		30
4-Methyl-2-pentanone	87		90		70-130	3		30
1,2,3-Trichloropropane	81		100		68-130	21		30
2-Hexanone	90		94		70-130	4		30
Bromochloromethane	108		111		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 Batch: WG1915178-3 WG1915178-4								
2,2-Dichloropropane	109		109		70-130	0		30
1,2-Dibromoethane	104		109		70-130	5		30
1,3-Dichloropropane	99		102		69-130	3		30
1,1,1,2-Tetrachloroethane	110		112		70-130	2		30
Bromobenzene	88		104		70-130	17		30
n-Butylbenzene	95		105		70-130	10		30
sec-Butylbenzene	92		105		70-130	13		30
tert-Butylbenzene	89		104		70-130	16		30
o-Chlorotoluene	101		105		70-130	4		30
p-Chlorotoluene	89		104		70-130	16		30
1,2-Dibromo-3-chloropropane	85		104		68-130	20		30
Hexachlorobutadiene	93		100		67-130	7		30
Isopropylbenzene	81		95		70-130	16		30
p-Isopropyltoluene	85		96		70-130	12		30
Naphthalene	87		104		70-130	18		30
Acrylonitrile	87		86		70-130	1		30
n-Propylbenzene	89		104		70-130	16		30
1,2,3-Trichlorobenzene	92		105		70-130	13		30
1,2,4-Trichlorobenzene	95		107		70-130	12		30
1,3,5-Trimethylbenzene	90		105		70-130	15		30
1,2,4-Trimethylbenzene	88		102		70-130	15		30
1,4-Dioxane	88		94		65-136	7		30
p-Diethylbenzene	89		99		70-130	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 Batch: WG1915178-3 WG1915178-4								
p-Ethyltoluene	90		104		70-130	14		30
1,2,4,5-Tetramethylbenzene	93		105		70-130	12		30
Ethyl ether	101		102		67-130	1		30
trans-1,4-Dichloro-2-butene	85		106		70-130	22		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		100		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	92		97		70-130
Dibromofluoromethane	106		103		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 QC Batch ID: WG1915178-6 WG1915178-7 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
Methylene chloride	ND	93.7	58	**62**	Q	55	**58**	Q	70-130	5		30
1,1-Dichloroethane	ND	93.7	67	72		70	74		70-130	4		30
Chloroform	ND	93.7	66	70		67	71		70-130	2		30
Carbon tetrachloride	ND	93.7	70	75		78	82		70-130	10		30
1,2-Dichloropropane	ND	93.7	63	**67**	Q	67	70		70-130	6		30
Dibromochloromethane	ND	93.7	59	**63**	Q	60	**63**	Q	70-130	1		30
1,1,2-Trichloroethane	ND	93.7	58	**62**	Q	59	**63**	Q	70-130	2		30
Tetrachloroethene	2.0	93.7	49	**50**	Q	62	**64**	Q	70-130	23		30
Chlorobenzene	ND	93.7	44	**47**	Q	47	**50**	Q	70-130	7		30
Trichlorofluoromethane	ND	93.7	71	75		77	81		70-139	8		30
1,2-Dichloroethane	ND	93.7	59	**62**	Q	54	**58**	Q	70-130	7		30
1,1,1-Trichloroethane	0.35J	93.7	75	80		81	86		70-130	8		30
Bromodichloromethane	ND	93.7	62	**66**	Q	63	**67**	Q	70-130	2		30
trans-1,3-Dichloropropene	ND	93.7	39	**42**	Q	34	**36**	Q	70-130	14		30
cis-1,3-Dichloropropene	ND	93.7	44	**47**	Q	41	**43**	Q	70-130	7		30
1,1-Dichloropropene	ND	93.7	49	**52**	Q	54	**57**	Q	70-130	9		30
Bromoform	ND	93.7	55	**59**	Q	56	**59**	Q	70-130	1		30
1,1,2,2-Tetrachloroethane	ND	93.7	38	**40**	Q	33	**35**	Q	70-130	13		30
Benzene	ND	93.7	65	**69**	Q	67	71		70-130	4		30
Toluene	ND	93.7	54	**57**	Q	58	**61**	Q	70-130	8		30
Ethylbenzene	ND	93.7	47	**50**	Q	54	**57**	Q	70-130	13		30
Chloromethane	ND	93.7	66	70		68	72		52-130	2		30
Bromomethane	ND	93.7	69	74		69	73		57-147	1		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 QC Batch ID: WG1915178-6 WG1915178-7 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
Vinyl chloride	ND	93.7	69	73		69	73		67-130	1		30
Chloroethane	ND	93.7	68	72		74	78		50-151	8		30
1,1-Dichloroethene	ND	93.7	60	**64**	Q	61	65		65-135	2		30
trans-1,2-Dichloroethene	ND	93.7	52	**56**	Q	52	**55**	Q	70-130	0		30
Trichloroethene	2.9	93.7	76	78		78	80		70-130	3		30
1,2-Dichlorobenzene	ND	93.7	30	**32**	Q	35	**37**	Q	70-130	15		30
1,3-Dichlorobenzene	ND	93.7	27	**28**	Q	31	**33**	Q	70-130	15		30
1,4-Dichlorobenzene	ND	93.7	25	**26**	Q	28	**29**	Q	70-130	11		30
Methyl tert butyl ether	ND	93.7	66	70		69	73		66-130	5		30
p/m-Xylene	0.51J	187	85	**45**	Q	98	**52**	Q	70-130	14		30
o-Xylene	ND	187	92	**49**	Q	110	**57**	Q	70-130	15		30
cis-1,2-Dichloroethene	0.61J	93.7	58	**61**	Q	54	**57**	Q	70-130	7		30
Dibromomethane	ND	93.7	53	**56**	Q	46	**48**	Q	70-130	14		30
Styrene	ND	187	78	**42**	Q	85	**45**	Q	70-130	9		30
Dichlorodifluoromethane	ND	93.7	70	75		73	77		30-146	4		30
Acetone	ND	93.7	63	67		65	69		54-140	3		30
Carbon disulfide	ND	93.7	45	**48**	Q	46	**48**	Q	59-130	1		30
2-Butanone	ND	93.7	56	**60**	Q	56	**59**	Q	70-130	0		30
Vinyl acetate	ND	93.7	13	**14**	Q	14	**14**	Q	70-130	6		30
4-Methyl-2-pentanone	ND	93.7	53	**57**	Q	55	**58**	Q	70-130	3		30
1,2,3-Trichloropropane	ND	93.7	57	**61**	Q	55	**58**	Q	68-130	3		30
2-Hexanone	ND	93.7	52	**56**	Q	51	**54**	Q	70-130	2		30
Bromochloromethane	ND	93.7	61	**65**	Q	55	**58**	Q	70-130	10		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 QC Batch ID: WG1915178-6 WG1915178-7 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
2,2-Dichloropropane	ND	93.7	71	76		78	82		70-130	10		30
1,2-Dibromoethane	ND	93.7	50	**53**	Q	44	**47**	Q	70-130	11		30
1,3-Dichloropropane	ND	93.7	54	**58**	Q	53	**56**	Q	69-130	3		30
1,1,1,2-Tetrachloroethane	ND	93.7	62	**67**	Q	69	73		70-130	11		30
Bromobenzene	ND	93.7	36	**38**	Q	38	**40**	Q	70-130	5		30
n-Butylbenzene	ND	93.7	21	**22**	Q	30	**32**	Q	70-130	**37**	Q	30
sec-Butylbenzene	ND	93.7	29	**31**	Q	41	**43**	Q	70-130	**33**	Q	30
tert-Butylbenzene	ND	93.7	36	**38**	Q	47	**49**	Q	70-130	27		30
o-Chlorotoluene	ND	93.7	38	**40**	Q	46	**48**	Q	70-130	18		30
p-Chlorotoluene	ND	93.7	31	**33**	Q	36	**38**	Q	70-130	15		30
1,2-Dibromo-3-chloropropane	ND	93.7	49	**52**	Q	51	**54**	Q	68-130	4		30
Hexachlorobutadiene	ND	93.7	14	**15**	Q	25	**26**	Q	67-130	**55**	Q	30
Isopropylbenzene	ND	93.7	39	**41**	Q	48	**51**	Q	70-130	21		30
p-Isopropyltoluene	ND	93.7	26	**28**	Q	36	**38**	Q	70-130	**32**	Q	30
Naphthalene	ND	93.7	22	**23**	Q	26	**27**	Q	70-130	18		30
Acrylonitrile	ND	93.7	54	**57**	Q	51	**54**	Q	70-130	4		30
n-Propylbenzene	ND	93.7	34	**36**	Q	43	**45**	Q	70-130	23		30
1,2,3-Trichlorobenzene	ND	93.7	15	**16**	Q	18	**20**	Q	70-130	20		30
1,2,4-Trichlorobenzene	ND	93.7	14	**15**	Q	17	**18**	Q	70-130	17		30
1,3,5-Trimethylbenzene	ND	93.7	37	**39**	Q	47	**49**	Q	70-130	24		30
1,2,4-Trimethylbenzene	ND	93.7	33	**35**	Q	42	**44**	Q	70-130	23		30
1,4-Dioxane	ND	4690	3300	70		2900	**60**	Q	65-136	14		30
p-Diethylbenzene	ND	93.7	23	**24**	Q	31	**33**	Q	70-130	**31**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03-08 QC Batch ID: WG1915178-6 WG1915178-7 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
p-Ethyltoluene	ND	93.7	34	**36**	Q	42	**44**	Q	70-130	22		30
1,2,4,5-Tetramethylbenzene	ND	93.7	24	**25**	Q	32	**34**	Q	70-130	29		30
Ethyl ether	ND	93.7	64	69		66	70		67-130	2		30
trans-1,4-Dichloro-2-butene	ND	93.7	35	**38**	Q	28	**29**	Q	70-130	25		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	107		103		70-130
Toluene-d8	98		99		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 10:55
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/29/24 05:10
Analyst: IM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	75	J	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	550		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	47	J	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01 Date Collected: 04/24/24 10:55

Client ID: EP-45 (5'BGS) Date Received: 04/24/24

Sample Location: 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	250		ug/kg	110	21.	1
Benzo(a)pyrene	220		ug/kg	150	45.	1
Benzo(b)fluoranthene	290		ug/kg	110	31.	1
Benzo(k)fluoranthene	86	J	ug/kg	110	30.	1
Chrysene	230		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	110		ug/kg	110	36.	1
Benzo(ghi)perylene	150		ug/kg	150	22.	1
Fluorene	46	J	ug/kg	180	18.	1
Phenanthrene	400		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	34	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	140	J	ug/kg	150	26.	1
Pyrene	470		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	30	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 10:55
Date Received: 04/24/24
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	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	53	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	151	J	ug/kg			1
Unknown PAH	151	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	56		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:10
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 20:04
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	130	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	780		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	66	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	81	J	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02 Date Collected: 04/24/24 11:10

Client ID: EP-44 (5'BGS) Date Received: 04/24/24

Sample Location: 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	300		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	45.	1
Benzo(b)fluoranthene	340		ug/kg	110	31.	1
Benzo(k)fluoranthene	140		ug/kg	110	30.	1
Chrysene	270		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	140		ug/kg	110	36.	1
Benzo(ghi)perylene	190		ug/kg	150	22.	1
Fluorene	86	J	ug/kg	190	18.	1
Phenanthrene	620		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	150	26.	1
Pyrene	670		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	57	J	ug/kg	190	18.	1
2-Methylnaphthalene	24	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	62.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:10
Date Received: 04/24/24
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	81	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	169	J	ug/kg			1
Unknown PAH	169	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	58		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	62		10-136
4-Terphenyl-d14	54		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:40
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 20:28
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	60	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	32.	1
Fluoranthene	470		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	44	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	87	J	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	62.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	180		ug/kg	110	21.	1
Benzo(a)pyrene	180		ug/kg	150	45.	1
Benzo(b)fluoranthene	220		ug/kg	110	31.	1
Benzo(k)fluoranthene	66	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	84	J	ug/kg	110	36.	1
Benzo(ghi)perylene	110	J	ug/kg	150	22.	1
Fluorene	44	J	ug/kg	180	18.	1
Phenanthrene	350		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	150	26.	1
Pyrene	390		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	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	34	J	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	600	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	49	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	71		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 21:40
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	31	J	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	380		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	220	31.	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	26	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04 Date Collected: 04/24/24 12:00

Client ID: EP-49 (5'BGS) Date Received: 04/24/24

Sample Location: 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	160		ug/kg	110	20.	1
Benzo(a)pyrene	180		ug/kg	140	44.	1
Benzo(b)fluoranthene	210		ug/kg	110	30.	1
Benzo(k)fluoranthene	67	J	ug/kg	110	29.	1
Chrysene	150		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	56	J	ug/kg	110	35.	1
Benzo(ghi)perylene	120	J	ug/kg	140	21.	1
Fluorene	25	J	ug/kg	180	17.	1
Phenanthrene	230		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	26	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	340		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	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	20	J	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	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	84.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:00
Date Received: 04/24/24
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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	31	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	70		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:35
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 22:03
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	44	J	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	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	360		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	35	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	99	J	ug/kg	180	63.	1
Butyl benzyl phthalate	75	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:35
Date Received: 04/24/24
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	140		ug/kg	110	20.	1
Benzo(a)pyrene	130	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	160		ug/kg	110	30.	1
Benzo(k)fluoranthene	59	J	ug/kg	110	29.	1
Chrysene	130		ug/kg	110	19.	1
Acenaphthylene	53	J	ug/kg	140	28.	1
Anthracene	75	J	ug/kg	110	35.	1
Benzo(ghi)perylene	94	J	ug/kg	140	21.	1
Fluorene	34	J	ug/kg	180	18.	1
Phenanthrene	270		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	21	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	84	J	ug/kg	140	25.	1
Pyrene	320		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	27	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:35
Date Received: 04/24/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	40	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	59		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	57		10-136
4-Terphenyl-d14	64		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 22:27
Analyst: EK
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140		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	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	1100		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	110	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06 Date Collected: 04/24/24 13:50

Client ID: EP-53 (5'BGS) Date Received: 04/24/24

Sample Location: 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	400		ug/kg	110	20.	1
Benzo(a)pyrene	360		ug/kg	140	44.	1
Benzo(b)fluoranthene	450		ug/kg	110	30.	1
Benzo(k)fluoranthene	140		ug/kg	110	28.	1
Chrysene	350		ug/kg	110	18.	1
Acenaphthylene	28	J	ug/kg	140	28.	1
Anthracene	210		ug/kg	110	35.	1
Benzo(ghi)perylene	250		ug/kg	140	21.	1
Fluorene	110	J	ug/kg	180	17.	1
Phenanthrene	910		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	55	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	230		ug/kg	140	25.	1
Pyrene	910		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	96	J	ug/kg	180	17.	1
2-Methylnaphthalene	38	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	26.	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	380	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
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	180	34.	1
Benzoic Acid	180	J	ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	120	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	19100	J	ug/kg			1
Unknown	660	J	ug/kg			1
Unknown Organic Acid	424	J	ug/kg			1
Unknown Organic Acid	2060	J	ug/kg			1
Unknown PAH	294	J	ug/kg			1
Unknown Organic Acid	183	J	ug/kg			1
Unknown Organic Acid	839	J	ug/kg			1
Unknown Organic Acid	1830	J	ug/kg			1
Unknown Organic Acid	203	J	ug/kg			1
Unknown Organic Acid	229	J	ug/kg			1
Unknown Organic Acid	481	J	ug/kg			1
Unknown Organic Acid	3380	J	ug/kg			1
Unknown	568	J	ug/kg			1
Unknown Organic Acid	1940	J	ug/kg			1
Unknown	424	J	ug/kg			1
Unknown Organic Acid	888	J	ug/kg			1
Unknown	208	J	ug/kg			1
Unknown	2450	J	ug/kg			1
Unknown Organic Acid	882	J	ug/kg			1
Unknown Organic Acid	875	J	ug/kg			1
Unknown Organic Acid	316	J	ug/kg			1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
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	52		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	28		10-136
4-Terphenyl-d14	68		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 14:15
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 22:51
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

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	ND		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	61.	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07 Date Collected: 04/24/24 14:15

Client ID: EP-42 (5'BGS) Date Received: 04/24/24

Sample Location: 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	ND		ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	ND		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	ND		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	33.	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 14:15
Date Received: 04/24/24
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	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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	82		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 04/27/24 23:15
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 00:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	140	J	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	860		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	93	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	130	J	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: SA 101 E 150TH **Lab Number:** L2422539

Project Number: 41.0163097.00 **Report Date:** 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08 Date Collected: 04/24/24 00:00

Client ID: FD-3 2024-04-24 (5'BGS) Date Received: 04/24/24

Sample Location: 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	330		ug/kg	110	21.	1
Benzo(a)pyrene	300		ug/kg	150	46.	1
Benzo(b)fluoranthene	370		ug/kg	110	32.	1
Benzo(k)fluoranthene	110		ug/kg	110	30.	1
Chrysene	290		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	170		ug/kg	110	37.	1
Benzo(ghi)perylene	190		ug/kg	150	22.	1
Fluorene	97	J	ug/kg	190	18.	1
Phenanthrene	640		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	190		ug/kg	150	26.	1
Pyrene	720		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	67	J	ug/kg	190	18.	1
2-Methylnaphthalene	27	J	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	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	92	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	197	J	ug/kg			1
Unknown PAH	197	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	74		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 04/30/24 09:46
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Isophorone	ND		ug/l	5.0	1.2	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Tentatively Identified Compounds						
Total TIC Compounds	105	J	ug/l			1
Unknown Organic Acid	5.89	J	ug/l			1
Unknown	5.05	J	ug/l			1
Unknown	5.45	J	ug/l			1
Unknown	14.1	J	ug/l			1
Unknown	3.24	J	ug/l			1
Unknown	4.00	J	ug/l			1
Unknown	5.53	J	ug/l			1
Unknown	17.5	J	ug/l			1
Unknown	2.80	J	ug/l			1
Unknown Cycloalkane	20.6	J	ug/l			1
Unknown Organic Acid	5.71	J	ug/l			1
Unknown	2.84	J	ug/l			1
Unknown	6.04	J	ug/l			1
Unknown	3.13	J	ug/l			1
Unknown	3.45	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	35		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	37		10-120
4-Terphenyl-d14	70		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 04/28/24 18:52
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	ND		ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.06	J	ug/l	0.10	0.05	1
Benzo(a)anthracene	ND		ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	J	ug/l	0.10	0.01	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01	1
Chrysene	ND		ug/l	0.10	0.01	1
Acenaphthylene	ND		ug/l	0.10	0.01	1
Anthracene	ND		ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	ND		ug/l	0.10	0.01	1
Phenanthrene	ND		ug/l	0.10	0.02	1
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01	1
Pyrene	ND		ug/l	0.10	0.02	1
2-Methylnaphthalene	0.08	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
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	56		21-120
Phenol-d6	50		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	87		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 05/02/24 19:10
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 04/30/24 18:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	58		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/26/24 23:48
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 04/26/24 18:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1914000-1					
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	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	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/26/24 23:48
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 04/26/24 18:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1914000-1					
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	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/26/24 23:48
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 04/26/24 18:35

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-08 Batch: WG1914000-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
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	54		25-120
Phenol-d6	50		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	63		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/28/24 19:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1914278-1					
Acenaphthene	ND		ug/l	2.0	0.44
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/28/24 19:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1914278-1					
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/28/24 19:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1914278-1					
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49

Tentatively Identified Compounds			
Total TIC Compounds	87.9	J	ug/l
Unknown Organic Acid	5.02	J	ug/l
Unknown	1.53	J	ug/l
Unknown	1.82	J	ug/l
Unknown	1.60	J	ug/l
Unknown	6.91	J	ug/l
Unknown	22.9	J	ug/l
Unknown	2.00	J	ug/l
Unknown	2.44	J	ug/l
Unknown	16.1	J	ug/l
Unknown	19.2	J	ug/l

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 04/28/24 19:51
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 09 Batch: WG1914278-1					
Tentatively Identified Compounds					
Unknown	2.84	J	ug/l		
Unknown Organic Acid	5.56	J	ug/l		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	73		15-120
2,4,6-Tribromophenol	61		10-120
4-Terphenyl-d14	66		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/28/24 15:34
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1914279-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	ND		ug/l	0.10	0.02
Hexachlorobutadiene	ND		ug/l	0.50	0.05
Naphthalene	ND		ug/l	0.10	0.05
Benzo(a)anthracene	ND		ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	ND		ug/l	0.10	0.01
Acenaphthylene	ND		ug/l	0.10	0.01
Anthracene	ND		ug/l	0.10	0.01
Benzo(ghi)perylene	ND		ug/l	0.10	0.01
Fluorene	ND		ug/l	0.10	0.01
Phenanthrene	ND		ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.10	0.01
Pyrene	ND		ug/l	0.10	0.02
2-Methylnaphthalene	ND		ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 04/28/24 15:34
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 04/28/24 01:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 09 Batch: WG1914279-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	**121**	Q	23-120
2-Fluorobiphenyl	102		15-120
2,4,6-Tribromophenol	110		10-120
4-Terphenyl-d14	108		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 05/02/24 13:55
Analyst: AMV

Extraction Method: EPA 3510C
Extraction Date: 04/30/24 18:35

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 09 Batch: WG1915259-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1914000-2 WG1914000-3								
Acenaphthene	54		60		31-137	11		50
1,2,4-Trichlorobenzene	52		60		38-107	14		50
Hexachlorobenzene	67		76		40-140	13		50
Bis(2-chloroethyl)ether	45		51		40-140	13		50
2-Chloronaphthalene	57		63		40-140	10		50
1,2-Dichlorobenzene	49		57		40-140	15		50
1,3-Dichlorobenzene	48		56		40-140	15		50
1,4-Dichlorobenzene	47		55		28-104	16		50
3,3'-Dichlorobenzidine	42		49		40-140	15		50
2,4-Dinitrotoluene	63		72		40-132	13		50
2,6-Dinitrotoluene	68		78		40-140	14		50
Fluoranthene	58		66		40-140	13		50
4-Chlorophenyl phenyl ether	56		64		40-140	13		50
4-Bromophenyl phenyl ether	62		70		40-140	12		50
Bis(2-chloroisopropyl)ether	**37**	Q	42		40-140	13		50
Bis(2-chloroethoxy)methane	48		55		40-117	14		50
Hexachlorobutadiene	58		67		40-140	14		50
Hexachlorocyclopentadiene	80		91		40-140	13		50
Hexachloroethane	49		58		40-140	17		50
Isophorone	49		55		40-140	12		50
Naphthalene	50		56		40-140	11		50
Nitrobenzene	48		56		40-140	15		50
NDPA/DPA	56		64		36-157	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1914000-2 WG1914000-3								
n-Nitrosodi-n-propylamine	47		54		32-121	14		50
Bis(2-ethylhexyl)phthalate	59		66		40-140	11		50
Butyl benzyl phthalate	65		74		40-140	13		50
Di-n-butylphthalate	60		66		40-140	10		50
Di-n-octylphthalate	63		71		40-140	12		50
Diethyl phthalate	58		65		40-140	11		50
Dimethyl phthalate	61		67		40-140	9		50
Benzo(a)anthracene	53		60		40-140	12		50
Benzo(a)pyrene	58		67		40-140	14		50
Benzo(b)fluoranthene	55		63		40-140	14		50
Benzo(k)fluoranthene	57		66		40-140	15		50
Chrysene	52		60		40-140	14		50
Acenaphthylene	57		65		40-140	13		50
Anthracene	56		62		40-140	10		50
Benzo(ghi)perylene	54		62		40-140	14		50
Fluorene	55		62		40-140	12		50
Phenanthrene	53		60		40-140	12		50
Dibenzo(a,h)anthracene	53		62		40-140	16		50
Indeno(1,2,3-cd)pyrene	53		61		40-140	14		50
Pyrene	57		65		35-142	13		50
Biphenyl	52		59		37-127	13		50
4-Chloroaniline	46		52		40-140	12		50
2-Nitroaniline	67		76		47-134	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1914000-2 WG1914000-3								
3-Nitroaniline	47		54		26-129	14		50
4-Nitroaniline	52		60		41-125	14		50
Dibenzofuran	54		62		40-140	14		50
2-Methylnaphthalene	55		61		40-140	10		50
1,2,4,5-Tetrachlorobenzene	54		61		40-117	12		50
Acetophenone	46		53		14-144	14		50
2,4,6-Trichlorophenol	65		73		30-130	12		50
p-Chloro-m-cresol	59		66		26-103	11		50
2-Chlorophenol	53		60		25-102	12		50
2,4-Dichlorophenol	60		68		30-130	13		50
2,4-Dimethylphenol	66		74		30-130	11		50
2-Nitrophenol	64		75		30-130	16		50
4-Nitrophenol	58		70		11-114	19		50
2,4-Dinitrophenol	70		77		4-130	10		50
4,6-Dinitro-o-cresol	72		81		10-130	12		50
Pentachlorophenol	73		84		17-109	14		50
Phenol	46		52		26-90	12		50
2-Methylphenol	52		60		30-130.	14		50
3-Methylphenol/4-Methylphenol	56		64		30-130	13		50
2,4,5-Trichlorophenol	66		75		30-130	13		50
Benzoic Acid	34		40		10-110	16		50
Benzyl Alcohol	51		58		40-140	13		50
Carbazole	**53**	Q	61		54-128	14		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 Batch: WG1914000-2 WG1914000-3								
1,4-Dioxane	**31**	Q	**36**	Q	40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50		57		25-120
Phenol-d6	49		56		10-120
Nitrobenzene-d5	50		55		23-120
2-Fluorobiphenyl	57		63		30-120
2,4,6-Tribromophenol	77		86		10-136
4-Terphenyl-d14	59		66		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1914278-2 WG1914278-3								
Acenaphthene	63		66		37-111	5		30
1,2,4-Trichlorobenzene	60		62		39-98	3		30
Hexachlorobenzene	66		69		40-140	4		30
Bis(2-chloroethyl)ether	63		68		40-140	8		30
2-Chloronaphthalene	62		66		40-140	6		30
1,2-Dichlorobenzene	64		65		40-140	2		30
1,3-Dichlorobenzene	60		63		40-140	5		30
1,4-Dichlorobenzene	62		62		36-97	0		30
3,3'-Dichlorobenzidine	**27**	Q	**30**	Q	40-140	11		30
2,4-Dinitrotoluene	72		78		48-143	8		30
2,6-Dinitrotoluene	72		77		40-140	7		30
Fluoranthene	65		68		40-140	5		30
4-Chlorophenyl phenyl ether	62		67		40-140	8		30
4-Bromophenyl phenyl ether	65		68		40-140	5		30
Bis(2-chloroisopropyl)ether	65		64		40-140	2		30
Bis(2-chloroethoxy)methane	70		73		40-140	4		30
Hexachlorobutadiene	58		58		40-140	0		30
Hexachlorocyclopentadiene	60		61		40-140	2		30
Hexachloroethane	64		70		40-140	9		30
Isophorone	70		74		40-140	6		30
Naphthalene	58		63		40-140	8		30
Nitrobenzene	71		75		40-140	5		30
NDPA/DPA	66		68		40-140	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1914278-2 WG1914278-3								
n-Nitrosodi-n-propylamine	70		74		29-132	6		30
Bis(2-ethylhexyl)phthalate	70		74		40-140	6		30
Butyl benzyl phthalate	75		79		40-140	5		30
Di-n-butylphthalate	71		77		40-140	8		30
Di-n-octylphthalate	70		75		40-140	7		30
Diethyl phthalate	68		72		40-140	6		30
Dimethyl phthalate	66		70		40-140	6		30
Benzo(a)anthracene	61		67		40-140	9		30
Benzo(a)pyrene	61		66		40-140	8		30
Benzo(b)fluoranthene	64		69		40-140	8		30
Benzo(k)fluoranthene	62		64		40-140	3		30
Chrysene	62		64		40-140	3		30
Acenaphthylene	62		64		45-123	3		30
Anthracene	64		67		40-140	5		30
Benzo(ghi)perylene	58		62		40-140	7		30
Fluorene	63		65		40-140	3		30
Phenanthrene	63		66		40-140	5		30
Dibenzo(a,h)anthracene	60		63		40-140	5		30
Indeno(1,2,3-cd)pyrene	57		61		40-140	7		30
Pyrene	65		68		26-127	5		30
Biphenyl	63		66		40-140	5		30
4-Chloroaniline	58		67		40-140	14		30
2-Nitroaniline	74		79		52-143	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1914278-2 WG1914278-3								
3-Nitroaniline	64		68		25-145	6		30
4-Nitroaniline	66		70		51-143	6		30
Dibenzofuran	64		65		40-140	2		30
2-Methylnaphthalene	61		66		40-140	8		30
1,2,4,5-Tetrachlorobenzene	61		65		2-134	6		30
Acetophenone	66		69		39-129	4		30
2,4,6-Trichlorophenol	65		71		30-130	9		30
p-Chloro-m-cresol	69		72		23-97	4		30
2-Chlorophenol	65		65		27-123	0		30
2,4-Dichlorophenol	72		71		30-130	1		30
2,4-Dimethylphenol	71		71		30-130	0		30
2-Nitrophenol	74		73		30-130	1		30
4-Nitrophenol	66		67		10-80	2		30
2,4-Dinitrophenol	81		83		20-130	2		30
4,6-Dinitro-o-cresol	79		84		20-164	6		30
Pentachlorophenol	60		66		9-103	10		30
Phenol	42		43		12-110	2		30
2-Methylphenol	59		65		30-130	10		30
3-Methylphenol/4-Methylphenol	64		64		30-130	0		30
2,4,5-Trichlorophenol	69		69		30-130	0		30
Benzoic Acid	61		56		10-164	9		30
Benzyl Alcohol	65		65		26-116	0		30
Carbazole	66		68		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 09 Batch: WG1914278-2 WG1914278-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	54		55		21-120
Phenol-d6	44		45		10-120
Nitrobenzene-d5	72		75		23-120
2-Fluorobiphenyl	61		67		15-120
2,4,6-Tribromophenol	70		72		10-120
4-Terphenyl-d14	61		66		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1914279-2 WG1914279-3								
Acenaphthene	64		53		40-140	19		40
2-Chloronaphthalene	64		54		40-140	17		40
Fluoranthene	72		60		40-140	18		40
Hexachlorobutadiene	55		46		40-140	18		40
Naphthalene	60		50		40-140	18		40
Benzo(a)anthracene	67		56		40-140	18		40
Benzo(a)pyrene	70		58		40-140	19		40
Benzo(b)fluoranthene	69		57		40-140	19		40
Benzo(k)fluoranthene	74		62		40-140	18		40
Chrysene	67		55		40-140	20		40
Acenaphthylene	66		56		40-140	16		40
Anthracene	68		57		40-140	18		40
Benzo(ghi)perylene	63		53		40-140	17		40
Fluorene	70		57		40-140	20		40
Phenanthrene	65		54		40-140	18		40
Dibenzo(a,h)anthracene	68		58		40-140	16		40
Indeno(1,2,3-cd)pyrene	70		59		40-140	17		40
Pyrene	74		62		40-140	18		40
2-Methylnaphthalene	63		53		40-140	17		40
Pentachlorophenol	79		67		40-140	16		40
Hexachlorobenzene	65		54		40-140	18		40
Hexachloroethane	61		49		40-140	22		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 09 Batch: WG1914279-2 WG1914279-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		42		21-120
Phenol-d6	45		37		10-120
Nitrobenzene-d5	82		70		23-120
2-Fluorobiphenyl	62		53		15-120
2,4,6-Tribromophenol	85		71		10-120
4-Terphenyl-d14	65		55		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 09 Batch: WG1915259-2 WG1915259-3								
1,4-Dioxane	116		116		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	44		54		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914000-4 WG1914000-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
Acenaphthene	60J	1440	1100	77		1100	76		31-137	0		50
1,2,4-Trichlorobenzene	ND	1440	1100	77		1000	69		38-107	10		50
Hexachlorobenzene	ND	1440	1100	77		1100	76		40-140	0		50
Bis(2-chloroethyl)ether	ND	1440	920	64		840	58		40-140	9		50
2-Chloronaphthalene	ND	1440	1100	77		1100	76		40-140	0		50
1,2-Dichlorobenzene	ND	1440	1000	70		930	65		40-140	7		50
1,3-Dichlorobenzene	ND	1440	980	68		890	62		40-140	10		50
1,4-Dichlorobenzene	ND	1440	1000	70		900	62		28-104	11		50
3,3'-Dichlorobenzidine	ND	1440	800	56		810	56		40-140	1		50
2,4-Dinitrotoluene	ND	1440	1200	83		1100	76		40-132	9		50
2,6-Dinitrotoluene	ND	1440	1200	83		1100	76		40-140	9		50
Fluoranthene	470	1440	1700	86		1600	78		40-140	6		50
4-Chlorophenyl phenyl ether	ND	1440	1100	77		1100	76		40-140	0		50
4-Bromophenyl phenyl ether	ND	1440	1200	83		1100	76		40-140	9		50
Bis(2-chloroisopropyl)ether	ND	1440	1000	70		930	65		40-140	7		50
Bis(2-chloroethoxy)methane	ND	1440	970	67		900	62		40-117	7		50
Hexachlorobutadiene	ND	1440	1100	77		1100	76		40-140	0		50
Hexachlorocyclopentadiene	ND	1440	910	63		800	56		40-140	13		50
Hexachloroethane	ND	1440	970	67		880	61		40-140	10		50
Isophorone	ND	1440	1000	70		960	67		40-140	4		50
Naphthalene	44J	1440	1100	77		1000	69		40-140	10		50
Nitrobenzene	ND	1440	1000	70		940	65		40-140	6		50
NDPA/DPA	ND	1440	1100	77		1100	76		36-157	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914000-4 WG1914000-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
n-Nitrosodi-n-propylamine	ND	1440	980	68		920	64		32-121	6		50
Bis(2-ethylhexyl)phthalate	87J	1440	920	64		890	62		40-140	3		50
Butyl benzyl phthalate	ND	1440	1200	83		1200	83		40-140	0		50
Di-n-butylphthalate	ND	1440	1200	83		1200	83		40-140	0		50
Di-n-octylphthalate	ND	1440	940	65		930	65		40-140	1		50
Diethyl phthalate	ND	1440	1100	77		1100	76		40-140	0		50
Dimethyl phthalate	ND	1440	1200	83		1100	76		40-140	9		50
Benzo(a)anthracene	180	1440	1200	71		1200	71		40-140	0		50
Benzo(a)pyrene	180	1440	1300	78		1300	78		40-140	0		50
Benzo(b)fluoranthene	220	1440	1300	75		1200	68		40-140	8		50
Benzo(k)fluoranthene	66J	1440	1100	77		1100	76		40-140	0		50
Chrysene	160	1440	1200	72		1100	65		40-140	9		50
Acenaphthylene	ND	1440	1200	83		1100	76		40-140	9		50
Anthracene	84J	1440	1200	83		1200	83		40-140	0		50
Benzo(ghi)perylene	110J	1440	1100	77		1100	76		40-140	0		50
Fluorene	44J	1440	1200	83		1100	76		40-140	9		50
Phenanthrene	350	1440	1500	80		1400	73		40-140	7		50
Dibenzo(a,h)anthracene	25J	1440	1100	77		1100	76		40-140	0		50
Indeno(1,2,3-cd)pyrene	110J	1440	1200	83		1200	83		40-140	0		50
Pyrene	390	1440	1600	84		1600	84		35-142	0		50
Biphenyl	ND	1440	1000	70		980	68		37-127	2		50
4-Chloroaniline	ND	1440	710	49		700	49		40-140	1		50
2-Nitroaniline	ND	1440	1200	83		1100	76		47-134	9		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914000-4 WG1914000-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
3-Nitroaniline	ND	1440	900	63		890	62		26-129	1		50
4-Nitroaniline	ND	1440	1100	77		1000	69		41-125	10		50
Dibenzofuran	34J	1440	1100	77		1100	76		40-140	0		50
2-Methylnaphthalene	ND	1440	1100	77		1100	76		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1440	1000	70		1000	69		40-117	0		50
Acetophenone	ND	1440	1000	70		940	65		14-144	6		50
2,4,6-Trichlorophenol	ND	1440	1100	77		1000	69		30-130	10		50
p-Chloro-m-cresol	ND	1440	1200	83		1100	76		26-103	9		50
2-Chlorophenol	ND	1440	1100	77		1000	69		25-102	10		50
2,4-Dichlorophenol	ND	1440	1200	83		1100	76		30-130	9		50
2,4-Dimethylphenol	ND	1440	1100	77		1000	69		30-130	10		50
2-Nitrophenol	ND	1440	1100	77		970	67		30-130	13		50
4-Nitrophenol	ND	1440	710	49		720	50		11-114	1		50
2,4-Dinitrophenol	ND	1440	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1440	140J	**10**	Q	110J	**8**	Q	10-130	24		50
Pentachlorophenol	ND	1440	540	38		490	34		17-109	10		50
Phenol	ND	1440	1000	70		940	65		26-90	6		50
2-Methylphenol	ND	1440	1100	77		1000	69		30-130.	10		50
3-Methylphenol/4-Methylphenol	ND	1440	1100	77		1000	69		30-130	10		50
2,4,5-Trichlorophenol	ND	1440	1200	83		1200	83		30-130	0		50
Benzoic Acid	ND	1440	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1440	1100	77		980	68		40-140	12		50
Carbazole	49J	1440	1200	83		1100	76		54-128	9		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914000-4 WG1914000-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
1,4-Dioxane	ND	1440	480	**33**	Q	440	**31**	Q	40-140	9		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	70		64		10-136
2-Fluorobiphenyl	72		68		30-120
2-Fluorophenol	67		61		25-120
4-Terphenyl-d14	78		74		18-120
Nitrobenzene-d5	67		62		23-120
Phenol-d6	69		65		10-120

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 10:55
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 10:40
Analyst: EMR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.9	4.69	1	A
Aroclor 1221	ND		ug/kg	52.9	5.30	1	A
Aroclor 1232	ND		ug/kg	52.9	11.2	1	A
Aroclor 1242	ND		ug/kg	52.9	7.13	1	A
Aroclor 1248	10.4	J	ug/kg	52.9	7.93	1	B
Aroclor 1254	ND		ug/kg	52.9	5.78	1	A
Aroclor 1260	ND		ug/kg	52.9	9.77	1	A
Aroclor 1262	ND		ug/kg	52.9	6.71	1	A
Aroclor 1268	ND		ug/kg	52.9	5.48	1	A
PCBs, Total	10.4	J	ug/kg	52.9	4.69	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:10
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 10:48
Analyst: EMR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.9	4.69	1	A
Aroclor 1221	ND		ug/kg	52.9	5.30	1	A
Aroclor 1232	ND		ug/kg	52.9	11.2	1	A
Aroclor 1242	ND		ug/kg	52.9	7.13	1	A
Aroclor 1248	ND		ug/kg	52.9	7.93	1	A
Aroclor 1254	ND		ug/kg	52.9	5.78	1	A
Aroclor 1260	ND		ug/kg	52.9	9.77	1	A
Aroclor 1262	ND		ug/kg	52.9	6.71	1	A
Aroclor 1268	ND		ug/kg	52.9	5.48	1	A
PCBs, Total	ND		ug/kg	52.9	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:40
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 10:16
Analyst: EMR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.68	1	A
Aroclor 1221	ND		ug/kg	52.7	5.28	1	A
Aroclor 1232	ND		ug/kg	52.7	11.2	1	A
Aroclor 1242	ND		ug/kg	52.7	7.10	1	A
Aroclor 1248	ND		ug/kg	52.7	7.90	1	A
Aroclor 1254	ND		ug/kg	52.7	5.76	1	A
Aroclor 1260	ND		ug/kg	52.7	9.73	1	A
Aroclor 1262	ND		ug/kg	52.7	6.69	1	A
Aroclor 1268	ND		ug/kg	52.7	5.46	1	A
PCBs, Total	ND		ug/kg	52.7	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 10:56
Analyst: EMR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

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	5.37	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	59		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:35
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 11:04
Analyst: EMR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.0	4.71	1	A
Aroclor 1221	ND		ug/kg	53.0	5.31	1	A
Aroclor 1232	ND		ug/kg	53.0	11.2	1	A
Aroclor 1242	ND		ug/kg	53.0	7.14	1	A
Aroclor 1248	ND		ug/kg	53.0	7.95	1	A
Aroclor 1254	ND		ug/kg	53.0	5.80	1	A
Aroclor 1260	ND		ug/kg	53.0	9.80	1	A
Aroclor 1262	ND		ug/kg	53.0	6.73	1	A
Aroclor 1268	ND		ug/kg	53.0	5.49	1	A
PCBs, Total	ND		ug/kg	53.0	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 11:12
Analyst: EMR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

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	ND		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	5.56	1	A
PCBs, Total	ND		ug/kg	53.7	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 14:15
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 11:20
Analyst: EMR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.3	4.55	1	A
Aroclor 1221	ND		ug/kg	51.3	5.14	1	A
Aroclor 1232	ND		ug/kg	51.3	10.9	1	A
Aroclor 1242	ND		ug/kg	51.3	6.91	1	A
Aroclor 1248	ND		ug/kg	51.3	7.69	1	A
Aroclor 1254	ND		ug/kg	51.3	5.61	1	A
Aroclor 1260	ND		ug/kg	51.3	9.48	1	A
Aroclor 1262	ND		ug/kg	51.3	6.51	1	A
Aroclor 1268	ND		ug/kg	51.3	5.31	1	A
PCBs, Total	ND		ug/kg	51.3	4.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 04/28/24 11:28
Analyst: EMR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.8	4.69	1	A
Aroclor 1221	ND		ug/kg	52.8	5.29	1	A
Aroclor 1232	ND		ug/kg	52.8	11.2	1	A
Aroclor 1242	ND		ug/kg	52.8	7.12	1	A
Aroclor 1248	ND		ug/kg	52.8	7.92	1	A
Aroclor 1254	ND		ug/kg	52.8	5.78	1	A
Aroclor 1260	ND		ug/kg	52.8	9.76	1	A
Aroclor 1262	ND		ug/kg	52.8	6.71	1	A
Aroclor 1268	ND		ug/kg	52.8	5.47	1	A
PCBs, Total	ND		ug/kg	52.8	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 05/01/24 08:51
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 05/01/24 04:18
Cleanup Method: EPA 3665A
Cleanup Date: 05/01/24
Cleanup Method: EPA 3660B
Cleanup Date: 05/01/24

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	89		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 04/28/24 09:52
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 04/27/24 02:39
Cleanup Method: EPA 3665A
Cleanup Date: 04/27/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/27/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-08 Batch: WG1914066-1						
Aroclor 1016	ND		ug/kg	46.9	4.16	A
Aroclor 1221	ND		ug/kg	46.9	4.70	A
Aroclor 1232	ND		ug/kg	46.9	9.93	A
Aroclor 1242	ND		ug/kg	46.9	6.32	A
Aroclor 1248	ND		ug/kg	46.9	7.03	A
Aroclor 1254	ND		ug/kg	46.9	5.13	A
Aroclor 1260	ND		ug/kg	46.9	8.66	A
Aroclor 1262	ND		ug/kg	46.9	5.95	A
Aroclor 1268	ND		ug/kg	46.9	4.85	A
PCBs, Total	ND		ug/kg	46.9	4.16	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 05/01/24 07:33
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 05/01/24 01:40
Cleanup Method: EPA 3665A
Cleanup Date: 05/01/24
Cleanup Method: EPA 3660B
Cleanup Date: 05/01/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 09 Batch: WG1915409-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	67		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1914066-2 WG1914066-3									
Aroclor 1016	81		52		40-140	44		50	A
Aroclor 1260	84		55		40-140	42		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		51		30-150	A
Decachlorobiphenyl	87		57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		56		30-150	B
Decachlorobiphenyl	87		63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 09 Batch: WG1915409-2 WG1915409-3									
Aroclor 1016	89		93		40-140	5		50	A
Aroclor 1260	80		89		40-140	10		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	A
Decachlorobiphenyl	75		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		74		30-150	B
Decachlorobiphenyl	79		79		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914066-4 WG1914066-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)													
Aroclor 1016	ND	339	180	53		223	70		40-140	21		50	A
Aroclor 1260	ND	339	177	52		221	69		40-140	22		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		68		30-150	A
Decachlorobiphenyl	55		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		70		30-150	B
Decachlorobiphenyl	56		75		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 10:55
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 10:27
Analyst: JAG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.769	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	1.66	J	ug/kg	1.76	0.406	1	B
4,4'-DDD	ND		ug/kg	1.76	0.627	1	B
4,4'-DDT	3.38		ug/kg	1.76	1.41	1	A
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.02	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 10:55
Date Received: 04/24/24
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	85		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:10
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 10:39
Analyst: JAG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.73	0.339	1	A
Lindane	ND		ug/kg	0.721	0.322	1	A
Alpha-BHC	ND		ug/kg	0.721	0.205	1	A
Beta-BHC	ND		ug/kg	1.73	0.656	1	A
Heptachlor	ND		ug/kg	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.721	0.296	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	1	A
Endrin ketone	ND		ug/kg	1.73	0.446	1	A
Dieldrin	ND		ug/kg	1.08	0.541	1	A
4,4'-DDE	1.54	J	ug/kg	1.73	0.400	1	A
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	2.58		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.08	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:10
Date Received: 04/24/24
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	73		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:40
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 10:51
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

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	0.989	J	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	B
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 11:27
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

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	0.768	J	ug/kg	1.74	0.404	1	B
4,4'-DDD	ND		ug/kg	1.74	0.623	1	A
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:00
Date Received: 04/24/24
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	72		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:35
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 11:39
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.333	1	A
Lindane	ND		ug/kg	0.709	0.317	1	A
Alpha-BHC	ND		ug/kg	0.709	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.645	1	A
Heptachlor	ND		ug/kg	0.851	0.381	1	A
Aldrin	ND		ug/kg	1.70	0.599	1	A
Heptachlor epoxide	ND		ug/kg	3.19	0.957	1	A
Endrin	ND		ug/kg	0.709	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.744	1	A
Endrin ketone	ND		ug/kg	1.70	0.438	1	A
Dieldrin	ND		ug/kg	1.06	0.532	1	A
4,4'-DDE	1.92		ug/kg	1.70	0.393	1	B
4,4'-DDD	ND		ug/kg	1.70	0.607	1	A
4,4'-DDT	1.57	J	ug/kg	1.70	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.402	1	A
Endosulfan II	ND		ug/kg	1.70	0.568	1	A
Endosulfan sulfate	ND		ug/kg	0.709	0.337	1	A
Methoxychlor	ND		ug/kg	3.19	0.992	1	A
Toxaphene	ND		ug/kg	31.9	8.93	1	A
cis-Chlordane	ND		ug/kg	2.13	0.593	1	A
trans-Chlordane	ND		ug/kg	2.13	0.561	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:35
Date Received: 04/24/24
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	72		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 11:51
Analyst: JAG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

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	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	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	5.11		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	3.80		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	0.336	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
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	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 14:15
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 12:03
Analyst: JAG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

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	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	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	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.612	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	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 14:15
Date Received: 04/24/24
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	72		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 00:00
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 04/29/24 12:15
Analyst: JAG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

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	0.747	0.334	1	A
Alpha-BHC	ND		ug/kg	0.747	0.212	1	A
Beta-BHC	ND		ug/kg	1.79	0.680	1	A
Heptachlor	ND		ug/kg	0.897	0.402	1	A
Aldrin	ND		ug/kg	1.79	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.36	1.01	1	A
Endrin	ND		ug/kg	0.747	0.306	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.785	1	A
Endrin ketone	ND		ug/kg	1.79	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	1.52	J	ug/kg	1.79	0.415	1	B
4,4'-DDD	ND		ug/kg	1.79	0.640	1	A
4,4'-DDT	2.19		ug/kg	1.79	1.44	1	A
Endosulfan I	ND		ug/kg	1.79	0.424	1	A
Endosulfan II	ND		ug/kg	1.79	0.599	1	A
Endosulfan sulfate	ND		ug/kg	0.747	0.356	1	A
Methoxychlor	ND		ug/kg	3.36	1.05	1	A
Toxaphene	ND		ug/kg	33.6	9.42	1	A
cis-Chlordane	ND		ug/kg	2.24	0.625	1	A
trans-Chlordane	ND		ug/kg	2.24	0.592	1	A
Chlordane	ND		ug/kg	14.9	5.94	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
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	95		30-150	A
Decachlorobiphenyl	121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 04/28/24 16:39
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 04/27/24 23:13

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:50
Date Received: 04/24/24
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	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/29/24 09:40
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1914220-1						
Delta-BHC	ND		ug/kg	1.54	0.302	A
Lindane	ND		ug/kg	0.643	0.287	A
Alpha-BHC	ND		ug/kg	0.643	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.585	A
Heptachlor	ND		ug/kg	0.771	0.346	A
Aldrin	ND		ug/kg	1.54	0.543	A
Heptachlor epoxide	ND		ug/kg	2.89	0.868	A
Endrin	ND		ug/kg	0.643	0.263	A
Endrin aldehyde	ND		ug/kg	1.93	0.675	A
Endrin ketone	ND		ug/kg	1.54	0.397	A
Dieldrin	ND		ug/kg	0.964	0.482	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.550	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.364	A
Endosulfan II	ND		ug/kg	1.54	0.515	A
Endosulfan sulfate	ND		ug/kg	0.643	0.306	A
Methoxychlor	ND		ug/kg	2.89	0.900	A
Toxaphene	ND		ug/kg	28.9	8.10	A
cis-Chlordane	ND		ug/kg	1.93	0.537	A
trans-Chlordane	ND		ug/kg	1.93	0.509	A
Chlordane	ND		ug/kg	12.8	5.11	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/29/24 09:40
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 04/27/24 15:06
Cleanup Method: EPA 3620B
Cleanup Date: 04/29/24
Cleanup Method: EPA 3660B
Cleanup Date: 04/29/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-08 Batch: WG1914220-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/28/24 12:53
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 04/27/24 23:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1914269-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 04/28/24 12:53
Analyst: PEG

Extraction Method: EPA 3510C
Extraction Date: 04/27/24 23:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 09 Batch: WG1914269-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1914220-2 WG1914220-3									
Delta-BHC	80		88		30-150	10		30	A
Lindane	85		90		30-150	6		30	A
Alpha-BHC	85		91		30-150	7		30	A
Beta-BHC	90		90		30-150	0		30	A
Heptachlor	81		86		30-150	6		30	A
Aldrin	81		82		30-150	1		30	A
Heptachlor epoxide	72		76		30-150	5		30	A
Endrin	89		95		30-150	7		30	A
Endrin aldehyde	78		86		30-150	10		30	A
Endrin ketone	96		102		30-150	6		30	A
Dieldrin	95		100		30-150	5		30	A
4,4'-DDE	90		94		30-150	4		30	A
4,4'-DDD	99		105		30-150	6		30	A
4,4'-DDT	94		97		30-150	3		30	A
Endosulfan I	83		85		30-150	2		30	A
Endosulfan II	90		94		30-150	4		30	A
Endosulfan sulfate	89		94		30-150	5		30	A
Methoxychlor	94		100		30-150	6		30	A
cis-Chlordane	75		75		30-150	0		30	A
trans-Chlordane	84		90		30-150	7		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 Batch: WG1914220-2 WG1914220-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		79		30-150	A
Decachlorobiphenyl	105		105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	B
Decachlorobiphenyl	105		109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1914269-2 WG1914269-3									
Delta-BHC	77		78		30-150	2		20	A
Lindane	80		85		30-150	6		20	A
Alpha-BHC	80		85		30-150	6		20	A
Beta-BHC	81		85		30-150	5		20	A
Heptachlor	77		82		30-150	7		20	A
Aldrin	71		78		30-150	10		20	A
Heptachlor epoxide	76		82		30-150	7		20	A
Endrin	80		85		30-150	7		20	A
Endrin aldehyde	71		77		30-150	8		20	A
Endrin ketone	88		94		30-150	6		20	A
Dieldrin	84		91		30-150	8		20	A
4,4'-DDE	77		85		30-150	9		20	A
4,4'-DDD	90		96		30-150	7		20	A
4,4'-DDT	89		93		30-150	5		20	A
Endosulfan I	74		81		30-150	8		20	A
Endosulfan II	81		87		30-150	7		20	A
Endosulfan sulfate	80		85		30-150	7		20	A
Methoxychlor	95		99		30-150	4		20	A
cis-Chlordane	66		75		30-150	13		20	A
trans-Chlordane	82		89		30-150	8		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 09 Batch: WG1914269-2 WG1914269-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		75		30-150	A
Decachlorobiphenyl	83		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		74		30-150	B
Decachlorobiphenyl	81		81		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914220-4 WG1914220-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)													
Delta-BHC	ND	34.8	31.0	89		29.3	81		30-150	6		50	A
Lindane	ND	34.8	31.2	90		29.2	80		30-150	7		50	A
Alpha-BHC	ND	34.8	32.0	92		29.6	82		30-150	8		50	A
Beta-BHC	ND	34.8	26.8	77		26.4	73		30-150	2		50	A
Heptachlor	ND	34.8	30.0	86		28.3	78		30-150	6		50	A
Aldrin	ND	34.8	30.5	88		28.7	79		30-150	6		50	A
Heptachlor epoxide	ND	34.8	27.1	78		25.1	69		30-150	8		50	A
Endrin	ND	34.8	32.4	93		30.3	83		30-150	7		50	A
Endrin aldehyde	ND	34.8	32.4	93		28.5	78		30-150	13		50	A
Endrin ketone	ND	34.8	34.2	98		32.6	90		30-150	5		50	A
Dieldrin	ND	34.8	33.9	98		32.0	88		30-150	6		50	A
4,4'-DDE	0.989J	34.8	33.1	95		31.0	85		30-150	7		50	A
4,4'-DDD	ND	34.8	36.0	104		33.7	93		30-150	7		50	A
4,4'-DDT	ND	34.8	29.6	85		28.0	77		30-150	6		50	B
Endosulfan I	ND	34.8	30.3	87		28.5	78		30-150	6		50	A
Endosulfan II	ND	34.8	31.5	91		29.8	82		30-150	6		50	A
Endosulfan sulfate	ND	34.8	30.5	88		28.7	79		30-150	6		50	A
Methoxychlor	ND	34.8	34.8	100		32.7	90		30-150	6		50	A
cis-Chlordane	ND	34.8	27.8	80		26.1	72		30-150	6		50	A
trans-Chlordane	ND	34.8	30.8	89		28.9	80		30-150	6		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1914220-4 WG1914220-5 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		69		30-150	A
Decachlorobiphenyl	95		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		78		30-150	B
Decachlorobiphenyl	95		89		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 10:55
Date Received: 04/24/24
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	5930		mg/kg	9.00	2.43	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Antimony, Total	0.508	J	mg/kg	4.50	0.342	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.10		mg/kg	0.900	0.187	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Barium, Total	42.0		mg/kg	0.900	0.156	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.313	J	mg/kg	0.450	0.030	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.900	0.088	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Calcium, Total	7210		mg/kg	9.00	3.15	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Chromium, Total	14.8		mg/kg	0.900	0.086	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.85		mg/kg	1.80	0.149	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Copper, Total	13.6		mg/kg	0.900	0.232	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Iron, Total	10500		mg/kg	4.50	0.812	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Lead, Total	25.8		mg/kg	4.50	0.241	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Magnesium, Total	2700		mg/kg	9.00	1.38	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Manganese, Total	372		mg/kg	0.900	0.143	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Mercury, Total	0.055	J	mg/kg	0.081	0.053	1	04/27/24 18:01	05/01/24 10:20	EPA 7471B	1,7471B	JWN
Nickel, Total	9.45		mg/kg	2.25	0.218	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Potassium, Total	673		mg/kg	225	13.0	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.80	0.232	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.450	0.254	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Sodium, Total	151	J	mg/kg	180	2.83	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Thallium, Total	0.303	J	mg/kg	1.80	0.283	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Vanadium, Total	13.8		mg/kg	0.900	0.183	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF
Zinc, Total	39.7		mg/kg	4.50	0.264	2	04/27/24 17:42	04/30/24 13:43	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:10
Date Received: 04/24/24
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	5700		mg/kg	8.88	2.40	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Antimony, Total	0.392	J	mg/kg	4.44	0.337	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Arsenic, Total	2.85		mg/kg	0.888	0.185	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Barium, Total	40.1		mg/kg	0.888	0.154	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.279	J	mg/kg	0.444	0.029	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.888	0.087	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Calcium, Total	5420		mg/kg	8.88	3.11	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Chromium, Total	10.7		mg/kg	0.888	0.085	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.95		mg/kg	1.78	0.147	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Copper, Total	16.1		mg/kg	0.888	0.229	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Iron, Total	10100		mg/kg	4.44	0.802	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Lead, Total	38.8		mg/kg	4.44	0.238	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Magnesium, Total	2330		mg/kg	8.88	1.37	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Manganese, Total	316		mg/kg	0.888	0.141	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.084	0.055	1	04/27/24 18:01	05/01/24 10:23	EPA 7471B	1,7471B	JWN
Nickel, Total	8.78		mg/kg	2.22	0.215	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Potassium, Total	657		mg/kg	222	12.8	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.78	0.229	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.444	0.251	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Sodium, Total	130	J	mg/kg	178	2.80	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Thallium, Total	0.475	J	mg/kg	1.78	0.280	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Vanadium, Total	14.6		mg/kg	0.888	0.180	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF
Zinc, Total	44.5		mg/kg	4.44	0.260	2	04/27/24 17:42	04/30/24 13:48	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	6690		mg/kg	8.75	2.36	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.38	0.332	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.13		mg/kg	0.875	0.182	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Barium, Total	36.8		mg/kg	0.875	0.152	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.350	J	mg/kg	0.438	0.029	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.875	0.086	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Calcium, Total	5190		mg/kg	8.75	3.06	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Chromium, Total	15.0		mg/kg	0.875	0.084	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.66		mg/kg	1.75	0.145	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Copper, Total	10.5		mg/kg	0.875	0.226	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Iron, Total	10600		mg/kg	4.38	0.790	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Lead, Total	21.2		mg/kg	4.38	0.234	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Magnesium, Total	2490		mg/kg	8.75	1.35	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Manganese, Total	346		mg/kg	0.875	0.139	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.085	0.056	1	04/27/24 18:01	05/01/24 10:03	EPA 7471B	1,7471B	JWN
Nickel, Total	8.44		mg/kg	2.19	0.212	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Potassium, Total	632		mg/kg	219	12.6	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.75	0.226	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.438	0.248	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Sodium, Total	152	J	mg/kg	175	2.76	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.75	0.276	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Vanadium, Total	14.2		mg/kg	0.875	0.178	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF
Zinc, Total	30.9		mg/kg	4.38	0.256	2	05/01/24 00:41	05/01/24 10:00	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 12:00
Date Received: 04/24/24
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	5550		mg/kg	8.78	2.37	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Antimony, Total	0.430	J	mg/kg	4.39	0.334	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.34		mg/kg	0.878	0.182	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Barium, Total	40.4		mg/kg	0.878	0.153	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.358	J	mg/kg	0.439	0.029	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.878	0.086	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Calcium, Total	4400		mg/kg	8.78	3.07	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Chromium, Total	12.0		mg/kg	0.878	0.084	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Cobalt, Total	4.81		mg/kg	1.76	0.146	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Copper, Total	21.8		mg/kg	0.878	0.226	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Iron, Total	10100		mg/kg	4.39	0.792	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Lead, Total	31.4		mg/kg	4.39	0.235	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Magnesium, Total	2140		mg/kg	8.78	1.35	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Manganese, Total	269		mg/kg	0.878	0.140	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Mercury, Total	0.064	J	mg/kg	0.078	0.051	1	04/27/24 18:01	05/01/24 10:26	EPA 7471B	1,7471B	JWN
Nickel, Total	9.23		mg/kg	2.19	0.212	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Potassium, Total	634		mg/kg	219	12.6	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.76	0.226	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.439	0.248	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Sodium, Total	177		mg/kg	176	2.76	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Thallium, Total	0.383	J	mg/kg	1.76	0.276	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Vanadium, Total	13.6		mg/kg	0.878	0.178	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF
Zinc, Total	66.2		mg/kg	4.39	0.257	2	04/27/24 17:42	04/30/24 13:52	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:35
Date Received: 04/24/24
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	5620		mg/kg	8.59	2.32	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Antimony, Total	0.447	J	mg/kg	4.30	0.327	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Arsenic, Total	2.79		mg/kg	0.859	0.179	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Barium, Total	35.9		mg/kg	0.859	0.150	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.319	J	mg/kg	0.430	0.028	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.859	0.084	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Calcium, Total	5390		mg/kg	8.59	3.01	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Chromium, Total	10.1		mg/kg	0.859	0.083	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.58		mg/kg	1.72	0.143	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Copper, Total	11.4		mg/kg	0.859	0.222	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Iron, Total	9790		mg/kg	4.30	0.776	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Lead, Total	19.4		mg/kg	4.30	0.230	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Magnesium, Total	2070		mg/kg	8.59	1.32	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Manganese, Total	311		mg/kg	0.859	0.137	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.091	0.060	1	04/27/24 18:01	05/01/24 10:36	EPA 7471B	1,7471B	JWN
Nickel, Total	8.38		mg/kg	2.15	0.208	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Potassium, Total	601		mg/kg	215	12.4	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.72	0.222	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.430	0.243	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Sodium, Total	228		mg/kg	172	2.71	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Thallium, Total	0.330	J	mg/kg	1.72	0.271	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Vanadium, Total	13.3		mg/kg	0.859	0.174	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF
Zinc, Total	34.3		mg/kg	4.30	0.252	2	04/27/24 17:42	04/30/24 13:57	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 13:50
Date Received: 04/24/24
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	7080		mg/kg	8.60	2.32	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Antimony, Total	0.384	J	mg/kg	4.30	0.327	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Arsenic, Total	6.63		mg/kg	0.860	0.179	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Barium, Total	59.0		mg/kg	0.860	0.150	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.403	J	mg/kg	0.430	0.028	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.860	0.084	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Calcium, Total	14400		mg/kg	8.60	3.01	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Chromium, Total	14.6		mg/kg	0.860	0.083	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Cobalt, Total	4.70		mg/kg	1.72	0.143	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Copper, Total	16.1		mg/kg	0.860	0.222	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Iron, Total	12400		mg/kg	4.30	0.777	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Lead, Total	28.7		mg/kg	4.30	0.230	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Magnesium, Total	2590		mg/kg	8.60	1.32	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Manganese, Total	272		mg/kg	0.860	0.137	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Mercury, Total	0.062	J	mg/kg	0.087	0.057	1	04/27/24 18:01	05/01/24 10:40	EPA 7471B	1,7471B	JWN
Nickel, Total	10.9		mg/kg	2.15	0.208	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Potassium, Total	847		mg/kg	215	12.4	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.72	0.222	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.430	0.244	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Sodium, Total	279		mg/kg	172	2.71	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Thallium, Total	0.493	J	mg/kg	1.72	0.271	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Vanadium, Total	16.8		mg/kg	0.860	0.175	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF
Zinc, Total	64.1		mg/kg	4.30	0.252	2	04/27/24 17:42	04/30/24 14:01	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 14:15
Date Received: 04/24/24
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	5790		mg/kg	8.36	2.26	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Antimony, Total	0.340	J	mg/kg	4.18	0.318	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.34		mg/kg	0.836	0.174	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Barium, Total	28.1		mg/kg	0.836	0.145	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.270	J	mg/kg	0.418	0.028	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.836	0.082	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Calcium, Total	920		mg/kg	8.36	2.93	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Chromium, Total	9.35		mg/kg	0.836	0.080	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.29		mg/kg	1.67	0.139	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Copper, Total	5.32		mg/kg	0.836	0.216	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Iron, Total	8640		mg/kg	4.18	0.755	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Lead, Total	5.24		mg/kg	4.18	0.224	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Magnesium, Total	1560		mg/kg	8.36	1.29	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Manganese, Total	198		mg/kg	0.836	0.133	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.069	0.045	1	04/27/24 18:01	05/01/24 10:43	EPA 7471B	1,7471B	JWN
Nickel, Total	7.24		mg/kg	2.09	0.202	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Potassium, Total	459		mg/kg	209	12.0	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.67	0.216	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.418	0.237	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Sodium, Total	117	J	mg/kg	167	2.63	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Thallium, Total	0.346	J	mg/kg	1.67	0.263	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Vanadium, Total	10.6		mg/kg	0.836	0.170	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF
Zinc, Total	15.2		mg/kg	4.18	0.245	2	04/27/24 17:42	04/30/24 14:23	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 04/24/24 00:00
Date Received: 04/24/24
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	6060		mg/kg	8.76	2.36	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Antimony, Total	0.346	J	mg/kg	4.38	0.333	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Arsenic, Total	2.94		mg/kg	0.876	0.182	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Barium, Total	40.5		mg/kg	0.876	0.152	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.349	J	mg/kg	0.438	0.029	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.876	0.086	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Calcium, Total	5630		mg/kg	8.76	3.06	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Chromium, Total	11.4		mg/kg	0.876	0.084	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.86		mg/kg	1.75	0.145	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Copper, Total	14.5		mg/kg	0.876	0.226	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Iron, Total	10800		mg/kg	4.38	0.791	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Lead, Total	27.1		mg/kg	4.38	0.235	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Magnesium, Total	2780		mg/kg	8.76	1.35	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Manganese, Total	324		mg/kg	0.876	0.139	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Mercury, Total	0.062	J	mg/kg	0.087	0.056	1	04/27/24 18:01	05/01/24 10:46	EPA 7471B	1,7471B	JWN
Nickel, Total	8.88		mg/kg	2.19	0.212	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Potassium, Total	678		mg/kg	219	12.6	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.75	0.226	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.438	0.248	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Sodium, Total	142	J	mg/kg	175	2.76	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Thallium, Total	0.470	J	mg/kg	1.75	0.276	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Vanadium, Total	14.4		mg/kg	0.876	0.178	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF
Zinc, Total	48.2		mg/kg	4.38	0.256	2	04/27/24 17:42	04/30/24 14:27	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-09
Client ID: FB 2024-04-24
Sample Location: BRONX, NY
Sample Depth:
Matrix: Water

Date Collected: 04/24/24 12:50
Date Received: 04/24/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.0318	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Barium, Total	ND		mg/l	0.0100	0.0021	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Calcium, Total	ND		mg/l	0.100	0.0350	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Iron, Total	ND		mg/l	0.0500	0.0090	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Magnesium, Total	ND		mg/l	0.100	0.0153	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Manganese, Total	ND		mg/l	0.0100	0.0016	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/30/24 02:37	05/01/24 14:31	EPA 7470A	1,7470A	MJR
Nickel, Total	ND		mg/l	0.0250	0.0024	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Thallium, Total	ND		mg/l	0.0200	0.0025	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF
Zinc, Total	ND		mg/l	0.0500	0.0021	1	04/30/24 02:32	05/01/24 15:32	EPA 3005A	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02,04-08 Batch: WG1913950-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	04/27/24 17:42	04/30/24 13:25	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Arsenic, Total	ND		mg/kg	0.400	0.083	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Barium, Total	ND		mg/kg	0.400	0.070	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Calcium, Total	ND		mg/kg	4.00	1.40	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Chromium, Total	ND		mg/kg	0.400	0.038	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Copper, Total	ND		mg/kg	0.400	0.103	1	04/27/24 17:42	04/30/24 13:25	1,6010D	JMF
Iron, Total	0.524	J	mg/kg	2.00	0.361	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Lead, Total	ND		mg/kg	2.00	0.107	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Manganese, Total	0.146	J	mg/kg	0.400	0.064	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Nickel, Total	ND		mg/kg	1.00	0.097	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Potassium, Total	ND		mg/kg	100	5.76	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Selenium, Total	ND		mg/kg	0.800	0.103	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Silver, Total	ND		mg/kg	0.200	0.113	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Sodium, Total	ND		mg/kg	80.0	1.26	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Thallium, Total	ND		mg/kg	0.800	0.126	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL
Zinc, Total	ND		mg/kg	2.00	0.117	1	04/27/24 17:42	04/29/24 09:52	1,6010D	DHL

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-08 Batch: WG1913952-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	04/27/24 18:01	05/01/24 09:57	1,7471B	JWN

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

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): 03 Batch: WG1914781-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Iron, Total	0.982	J	mg/kg	2.00	0.361	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	05/01/24 00:41	05/01/24 09:37	1,6010D	JMF

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 09 Batch: WG1914802-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Barium, Total	ND		mg/l	0.0100	0.0021	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Calcium, Total	ND		mg/l	0.100	0.0350	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Iron, Total	ND		mg/l	0.0500	0.0090	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Magnesium, Total	ND		mg/l	0.100	0.0153	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Manganese, Total	ND		mg/l	0.0100	0.0016	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Nickel, Total	ND		mg/l	0.0250	0.0024	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Thallium, Total	ND		mg/l	0.0200	0.0025	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF
Zinc, Total	ND		mg/l	0.0500	0.0021	1	04/30/24 02:32	05/01/24 14:06	1,6010D	JMF

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): 09 Batch: WG1914803-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	04/30/24 02:37	05/01/24 13:58	1,7470A	MJR

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2422539
Report Date: 05/03/24

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-08 Batch: WG1913950-2								
Aluminum, Total	108		-		80-120	-		
Antimony, Total	98		-		80-120	-		
Arsenic, Total	98		-		80-120	-		
Barium, Total	108		-		80-120	-		
Beryllium, Total	100		-		80-120	-		
Cadmium, Total	106		-		80-120	-		
Calcium, Total	99		-		80-120	-		
Chromium, Total	104		-		80-120	-		
Cobalt, Total	96		-		80-120	-		
Copper, Total	111		-		80-120	-		
Iron, Total	101		-		80-120	-		
Lead, Total	103		-		80-120	-		
Magnesium, Total	96		-		80-120	-		
Manganese, Total	100		-		80-120	-		
Nickel, Total	101		-		80-120	-		
Potassium, Total	105		-		80-120	-		
Selenium, Total	93		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	102		-		80-120	-		
Thallium, Total	99		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-08 Batch: WG1913950-2					
Zinc, Total	94	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-08 Batch: WG1913952-2					
Mercury, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1914781-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	108	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	106	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	104	-	80-120	-	
Cobalt, Total	104	-	80-120	-	
Copper, Total	104	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	104	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	105	-	80-120	-	
Nickel, Total	104	-	80-120	-	
Potassium, Total	103	-	80-120	-	
Selenium, Total	105	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	107	-	80-120	-	
Thallium, Total	101	-	80-120	-	
Vanadium, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1914781-2					
Zinc, Total	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1914802-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	99	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	107	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	108	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	108	-	80-120	-	
Cobalt, Total	108	-	80-120	-	
Copper, Total	108	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	106	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	108	-	80-120	-	
Potassium, Total	107	-	80-120	-	
Selenium, Total	107	-	80-120	-	
Silver, Total	110	-	80-120	-	
Sodium, Total	109	-	80-120	-	
Thallium, Total	103	-	80-120	-	
Vanadium, Total	110	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1914802-2					
Zinc, Total	109	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 09 Batch: WG1914803-2					
Mercury, Total	100	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG1913950-11 QC Sample: L2409778-59 Client ID: MS Sample												
Aluminum, Total	5350	155	5290	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	38.8	34.0	88		-	-		75-125	-		20
Arsenic, Total	2.36	9.32	11.6	99		-	-		75-125	-		20
Barium, Total	39.1	155	188	96		-	-		75-125	-		20
Beryllium, Total	0.311J	3.88	3.80	98		-	-		75-125	-		20
Cadmium, Total	ND	4.11	4.04	98		-	-		75-125	-		20
Calcium, Total	3720	776	5230	**194**	Q	-	-		75-125	-		20
Chromium, Total	9.54	15.5	22.1	81		-	-		75-125	-		20
Cobalt, Total	3.61	38.8	38.9	91		-	-		75-125	-		20
Copper, Total	9.53	19.4	27.3	92		-	-		75-125	-		20
Iron, Total	9510	77.6	9020	**0**	Q	-	-		75-125	-		20
Lead, Total	19.8	41.1	57.5	92		-	-		75-125	-		20
Magnesium, Total	1820	776	2360	**70**	Q	-	-		75-125	-		20
Manganese, Total	301	38.8	340	100		-	-		75-125	-		20
Nickel, Total	7.76	38.8	44.5	95		-	-		75-125	-		20
Potassium, Total	600	776	1340	95		-	-		75-125	-		20
Selenium, Total	ND	9.32	8.09	87		-	-		75-125	-		20
Silver, Total	ND	3.88	3.31	85		-	-		75-125	-		20
Sodium, Total	128J	776	886	114		-	-		75-125	-		20
Thallium, Total	ND	9.32	8.28	89		-	-		75-125	-		20
Vanadium, Total	10.9	38.8	41.0	78		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG1913950-11 QC Sample: L2409778-59 Client ID: MS Sample										
Zinc, Total	30.6	38.8	109	**202**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-08 (5'BGS) QC Batch ID: WG1913952-3 WG1913952-4 QC Sample: L2422539-03 Client ID: EP-48										
Mercury, Total	ND	1.77	1.84	104		1.66	105	80-120	10	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1914781-3 WG1914781-4 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)												
Aluminum, Total	6690	172	7900	**705**	Q	8280	**917**	Q	75-125	5		20
Antimony, Total	ND	42.9	38.1	89		38.3	88		75-125	1		20
Arsenic, Total	3.13	10.3	13.9	104		14.2	106		75-125	2		20
Barium, Total	36.8	172	214	103		220	106		75-125	3		20
Beryllium, Total	0.350J	4.29	4.82	112		4.94	114		75-125	2		20
Cadmium, Total	ND	4.55	4.11	90		4.25	92		75-125	3		20
Calcium, Total	5190	858	10000	**560**	Q	6520	**153**	Q	75-125	**42**	Q	20
Chromium, Total	15.0	17.2	30.2	88		36.8	**126**	Q	75-125	20		20
Cobalt, Total	3.66	42.9	44.7	96		45.9	97		75-125	3		20
Copper, Total	10.5	21.4	33.0	105		34.2	109		75-125	4		20
Iron, Total	10600	85.8	11100	**583**	Q	12400	**2080**	Q	75-125	11		20
Lead, Total	21.2	45.5	66.5	100		82.8	**134**	Q	75-125	**22**	Q	20
Magnesium, Total	2490	858	4550	**240**	Q	3280	91		75-125	**32**	Q	20
Manganese, Total	346	42.9	384	88		386	92		75-125	1		20
Nickel, Total	8.44	42.9	49.8	96		51.8	100		75-125	4		20
Potassium, Total	632	858	2110	**172**	Q	1660	118		75-125	**24**	Q	20
Selenium, Total	ND	10.3	10.6	103		10.6	102		75-125	0		20
Silver, Total	ND	4.29	4.39	102		4.46	103		75-125	2		20
Sodium, Total	152J	858	1110	**129**	Q	1120	**129**	Q	75-125	1		20
Thallium, Total	ND	10.3	10.5	102		10.5	101		75-125	0		20
Vanadium, Total	14.2	42.9	58.1	102		59.9	105		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03	QC Batch ID: WG1914781-3				WG1914781-4		QC Sample: L2422539-03		Client ID: EP-48 (5'BGS)
Zinc, Total	30.9	42.9	74.1	101	77.7	108	75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1914802-3 QC Sample: L2422382-01 Client ID: MS Sample									
Aluminum, Total	2.18	2	4.44	113	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.556	111	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.133	111	-	-	75-125	-	20
Barium, Total	0.150	2	2.31	108	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0542	108	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0556	105	-	-	75-125	-	20
Calcium, Total	152	10	160	80	-	-	75-125	-	20
Chromium, Total	0.003J	0.2	0.216	108	-	-	75-125	-	20
Cobalt, Total	0.005J	0.5	0.531	106	-	-	75-125	-	20
Copper, Total	0.013	0.25	0.294	112	-	-	75-125	-	20
Iron, Total	4.02	1	4.86	84	-	-	75-125	-	20
Lead, Total	0.004J	0.53	0.571	108	-	-	75-125	-	20
Magnesium, Total	41.7	10	51.4	97	-	-	75-125	-	20
Manganese, Total	0.785	0.5	1.29	101	-	-	75-125	-	20
Nickel, Total	0.031	0.5	0.554	104	-	-	75-125	-	20
Potassium, Total	26.3	10	37.4	111	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.130	108	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0566	113	-	-	75-125	-	20
Sodium, Total	33.9	10	44.5	106	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.128	107	-	-	75-125	-	20
Vanadium, Total	0.004J	0.5	0.560	112	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1914802-3 QC Sample: L2422382-01 Client ID: MS Sample									
Zinc, Total	0.135	0.5	0.656	104	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1914803-3 QC Sample: L2422603-10 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00461	92	-	-	75-125	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02,04-08 QC Batch ID: WG1913950-12 QC Sample: L2409778-59 Client ID: DUP Sample						
Lead, Total	19.8	19.0	mg/kg	4		20
Total Metals - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1914803-4 QC Sample: L2422603-10 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2422539
Report Date: 05/03/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1914781-6 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)						
Aluminum, Total	6690	6740	mg/kg	1		20
Barium, Total	36.8	37.5	mg/kg	2		20
Calcium, Total	5190	5360	mg/kg	3		20
Iron, Total	10600	11200	mg/kg	6		20
Magnesium, Total	2490	2620	mg/kg	5		20
Manganese, Total	346	359	mg/kg	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-01
Client ID: EP-45 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 10:55
Date Received: 04/24/24
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	88.3		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-02
Client ID: EP-44 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:10
Date Received: 04/24/24
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	88.8		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-03
Client ID: EP-48 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 11:40
Date Received: 04/24/24
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	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-04
Client ID: EP-49 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 12:00
Date Received: 04/24/24
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	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-05
Client ID: EP-52 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:35
Date Received: 04/24/24
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	89.5		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-06
Client ID: EP-53 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 13:50
Date Received: 04/24/24
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	91.8		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-07
Client ID: EP-42 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 14:15
Date Received: 04/24/24
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	91.3		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

SAMPLE RESULTS

Lab ID: L2422539-08
Client ID: FD-3 2024-04-24 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 04/24/24 00:00
Date Received: 04/24/24
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	86.2		%	0.100	NA	1	-	04/25/24 12:50	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2422539

Report Date: 05/03/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08 QC Batch ID: WG1913277-1 QC Sample: L2422539-03 Client ID: EP-48 (5'BGS)						
Solids, Total	90.4	90.2	%	0		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2422539-01A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-01B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-01C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-01D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-01E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2422539-01F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-02A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-02B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-02C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-02D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-02E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),CU-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2422539-02F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-03A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-03A1	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-03A2	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-03B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-03B1	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2422539-03B2	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-03C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-03C1	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-03C2	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-03D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-03D1	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-03D2	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2422539-03E1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2422539-03E2	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2422539-03F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-03F1	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-03F2	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-04A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-04B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-04C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-04D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-04E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),SE-TI(180),ZN-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),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2422539
Report Date: 05/03/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2422539-04F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-05A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-05B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-05C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-05D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-05E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),SE-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),K-TI(180),CA-TI(180)
L2422539-05F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-06A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-06B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-06C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-06D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2422539-06F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-07A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2422539-07B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-07C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-07D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	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),CU-TI(180),SB-TI(180),SE-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),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2422539-07F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-08A	Vial MeOH preserved	A	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

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Report Date: 05/03/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2422539-08B	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-08C	Vial water preserved	A	NA		4.1	Y	Absent	25-APR-24 12:02	NYTCL-8260HLW(14)
L2422539-08D	Plastic 120ml unpreserved	A	NA		4.1	Y	Absent		TS(7)
L2422539-08E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2422539-08F	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2422539-09A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2422539-09B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2422539-09C	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2422539-09D	Plastic 250ml HNO3 preserved	A	<2	<2	4.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2422539-09E	Glass 120ml/4oz unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2422539-09F	Glass 120ml/4oz unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2422539-09G	Glass 120ml/4oz unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2422539-09H	Glass 120ml/4oz unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2422539-09I	Glass 250ml/8oz unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2422539-09J	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2422539-09K	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2422539-09L	Amber 250ml unpreserved	A	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2422539-10A	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)
L2422539-10B	Vial HCl preserved	A	NA		4.1	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101 E 150TH	**Lab Number:**	L2422539
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GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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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:	SA 101 E 150TH	**Lab Number:**	L2422539
Project Number:	41.0163097.00	**Report Date:**	05/03/24

REFERENCES

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

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA

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Mansfield, MA 02048
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 2

Date Rec'd in Lab: 4/25/24

ALPHA Job #: L2422539

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email:

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project #: 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082A	1,4-Dioxane				Sample Specific Comments
22539-01	EP-45 (5' bgs)	4/24/24	10:55	S	JN	X	X	X	X	X				
-02	EP-44 (5' bgs)		11:10											
-03	EP-48 (5' bgs)		11:40											
-04	MS-3 EP-48 (5' bgs)		11:45											
-05	MSD-3 EP-48 (5' bgs)		11:50											
-06	EP-49 (5' bgs)		12:00											
-07	EP-52 (5' bgs)		13:35											
-08	EP-53 (5' bgs)		13:50											
-09	EP-42 (5' bgs)		14:15											
-10	FD-3 2024-04-24 (5' bgs)	↓	-	↓	↓	↓	↓	↓	↓	↓				

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	V	A	A	A	A			
Preservative	B	A	A					

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	4/24/2024 15:32	[signature]	4/24/24 1532
[signature]	4/24/24 1736	[signature]	4.24.24 18:48
			4/24 22:00
[signature]	4/25 1:15	[signature]	4/25/24 0115

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: 4/25/24

ALPHA Job #: L2422539

Client Information

Client: GZA GeoEnvironmental
Address: 104 w 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email:

Project Information

Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project #: 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081B/8082A	1,4-Dioxane				Total Bottle	Sample Specific Comments
22539-11	FB 2024-04-24	4/24/24	12:50	W	JN	X	X	X	X	X					
-12	TB 2024-04-24	4/24/24	-	W	JN	X	X	X	X	X					

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

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

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

Container Type	V	A	P	A	A				
Preservative	B	A	C	A	A				

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalia (GZA)	4/24/2024 15:32	MSA(AN)	4/24/24 1532
MSA(AN)	4/24/24 1736		04.24 1848
MSA(AN) RM	4/25 1215		4/24 2200
			4/25/24 0115

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)

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CONSTRUCTION MANAGEMENT

GZA GeoEnvironmental of New York
104 West 29th Street
10th Floor
New York, NY 10001
T: 212.594.8140
F: 212.279.8180
www.gza.com

M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Stephen M. Kline, P.E.

Date: June 27, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on **Drawing 1** – IRM Endpoint Sample Results Map (see attached).

On June 4, 2024, GZA collected EP-43 and EP-47 at 5 feet below ground surface (bgs); EP-65, EP-66, EP-67, and EP-68 at 5.5 feet bgs; and EP-69 at 6 feet bgs. On June 5, 2024, GZA collected EP-46, EP-50, EP-51, EP-54, and EP-55, at 5 feet below ground surface (bgs). On June 14, 2024, additional excavation was performed at EP-43, and an additional endpoint delineation sample was collected after over-excavating this area at 5.5 feet bgs. The results are summarized in the following tables:

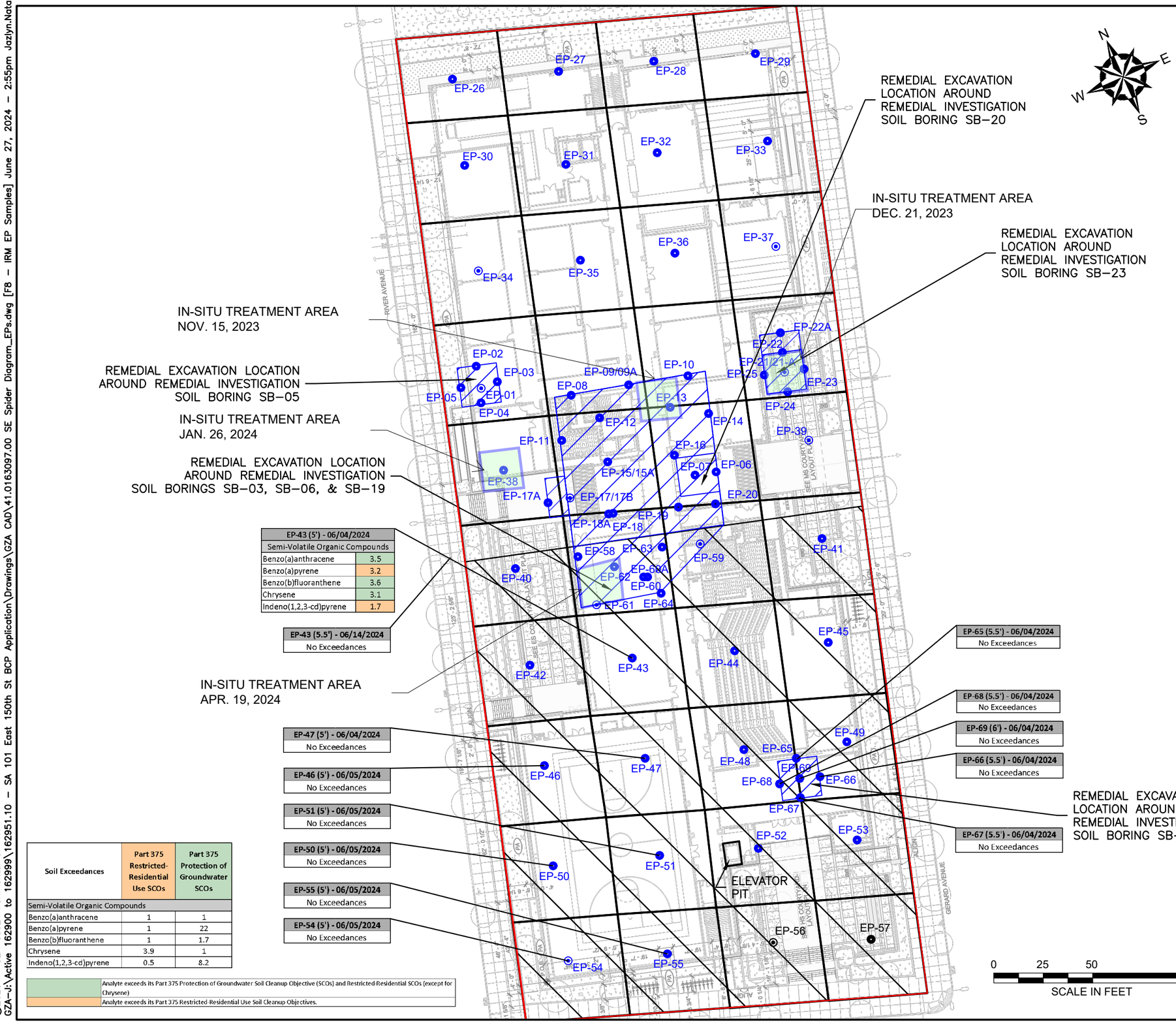
- Table 1: Volatile Organic Compounds (VOC) in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds (SVOC) in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls (PCB) in Endpoint Soil Sample
- Table 5: Per- and Polyfluoroalkyl Substances (PFAS) in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). This memorandum also transmits to the NYSDEC the laboratory reports (Project ID No. L2430995, L2431297, and L2433652) that were prepared by Alpha Analytical Laboratories (a subsidiary of Pace Analytical Laboratories) of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see **Attachment A**).

Please note that no chlorinated VOCs were reported above their Protection of Groundwater Soil Cleanup Objectives in the remedial excavation area identified around RI soil boring SB-14 (i.e., EP-65 through EP-69). Therefore, contingency application of RegenOx® is not recommended in this area.

An Equal Opportunity Employer M/F/V/H

FIGURES



REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–20

IN-SITU TREATMENT AREA DEC. 21, 2023

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–23

IN-SITU TREATMENT AREA NOV. 15, 2023

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–05

IN-SITU TREATMENT AREA JAN. 26, 2024

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORINGS SB–03, SB–06, & SB–19

IN-SITU TREATMENT AREA APR. 19, 2024

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–14

EP-43 (5') - 06/04/2024	
Semi-Volatile Organic Compounds	
Benzo(a)anthracene	3.5
Benzo(a)pyrene	3.2
Benzo(b)fluoranthene	3.6
Chrysene	3.1
Indeno(1,2,3-cd)pyrene	1.7

EP-43 (5.5') - 06/14/2024
No Exceedances

EP-47 (5') - 06/04/2024
No Exceedances

EP-46 (5') - 06/05/2024
No Exceedances

EP-51 (5') - 06/05/2024
No Exceedances

EP-50 (5') - 06/05/2024
No Exceedances

EP-55 (5') - 06/05/2024
No Exceedances

EP-54 (5') - 06/05/2024
No Exceedances

EP-65 (5.5') - 06/04/2024
No Exceedances

EP-68 (5.5') - 06/04/2024
No Exceedances

EP-69 (6') - 06/04/2024
No Exceedances

EP-66 (5.5') - 06/04/2024
No Exceedances

EP-67 (5.5') - 06/04/2024
No Exceedances

Soil Exceedances	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs
Semi-Volatile Organic Compounds		
Benzo(a)anthracene	1	1
Benzo(a)pyrene	1	22
Benzo(b)fluoranthene	1	1.7
Chrysene	3.9	1
Indeno(1,2,3-cd)pyrene	0.5	8.2

Analyte exceeds its Part 375 Protection of Groundwater Soil Cleanup Objective (SCOs) and Restricted-Residential SCOs (except for Chrysene)

Analyte exceeds its Part 375 Restricted-Residential Use Soil Cleanup Objectives.

0 25 50 100
SCALE IN FEET

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SITE – LAYOUT PLAN", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 05–26–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE – SOUTHERN EXTENT
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 PROPOSED SOUTHERN EXTENT IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- EP-02 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-01 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS

NO.	ISSUE/DESCRIPTION	BY	DATE

UNLESS SPECIFICALLY STATED BY WRITTEN AGREEMENT, THIS DRAWING IS THE SOLE PROPERTY OF GZA GEOENVIRONMENTAL, INC. (GZA). THE INFORMATION SHOWN ON THE DRAWING IS SOLELY FOR USE BY GZA'S CLIENT OR THE CLIENT'S DESIGNATED REPRESENTATIVE FOR THE SPECIFIC PROJECT AND LOCATION IDENTIFIED ON THE DRAWING. THE DRAWING SHALL NOT BE TRANSFERRED, REUSED, COPIED, OR ALTERED IN ANY MANNER FOR USE AT ANY OTHER LOCATION OR FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF GZA. ANY TRANSFER, REUSE, OR MODIFICATION TO THE DRAWING BY THE CLIENT OR OTHERS, WITHOUT THE PRIOR WRITTEN EXPRESS CONSENT OF GZA, WILL BE AT THE USER'S SOLE RISK AND WITHOUT ANY RISK OR LIABILITY TO GZA.

101 EAST 150TH STREET
BRONX, NEW YORK, 10451

ENDPOINT SAMPLE RESULTS MAP (JUNE 4, 5, & 14, 2024)

PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	1
DATE: JUNE 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

©2023 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 SE Spider Diagram_EPs.dwg [F8 – IRM EP Samples] June 27, 2024 – 2:55pm Jazlyn.Natalie

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-43		EP-46		EP-47		EP-50		EP-51		EP-54	
LAB SAMPLE ID				L2430995-06		L2431297-01		L2430995-07		L2431297-05		L2431297-03		L2431297-04	
DATE				6/4/2024		6/5/2024		6/4/2024		6/5/2024		6/5/2024		6/5/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0002	J	0.0014		0.00047	U	0.00094		0.0005	U	0.00058	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
1,1,2-Trichloroethane	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
1,1-Dichloroethane	0.27	26	0.27	0.0012	U	0.001	U	0.00095	U	0.00049	J	0.001	U	0.0012	U
1,1-Dichloroethene	0.33	100	0.33	0.0012	U	0.001	U	0.00095	U	0.00025	J	0.001	U	0.0012	U
1,1-Dichloropropene	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
1,2,3-Trichlorobenzene	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2,3-Trichloropropane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0023	U	0.00088	J	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2,4-Trichlorobenzene	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0023	U	0.001	J	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0035	U	0.0031	U	0.0028	U	0.003	U	0.003	U	0.0035	U
1,2-Dibromoethane	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
1,2-Dichloroethene, Total	--	--	--	0.0012	U	0.00042	J	0.00095	U	0.0024		0.00042	J	0.0012	U
1,2-Dichloropropane	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0023	U	0.0011	J	0.0019	U	0.002	U	0.002	U	0.0023	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,3-Dichloropropane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,3-Dichloropropene, Total	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
1,4-Dioxane	0.1	13	0.1	0.092	U	0.084	U	0.076	U	0.079	U	0.08	U	0.094	U
2,2-Dichloropropane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
2-Butanone	0.12	100	0.12	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
2-Hexanone	--	--	--	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
4-Methyl-2-pentanone	--	--	--	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
Acetone	0.05	100	0.05	0.012	U	0.013		0.0095	U	0.045		0.01	U	0.014	
Acrylonitrile	--	--	--	0.0046	U	0.0042	U	0.0038	U	0.0039	U	0.004	U	0.0047	U
Benzene	0.06	4.8	0.06	0.00058	U	0.00052	U	0.00047	U	0.00016	J	0.0005	U	0.00058	U
Bromobenzene	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Bromochloromethane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Bromodichloromethane	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
Bromoform	--	--	--	0.0046	U	0.0042	U	0.0038	U	0.0039	U	0.004	U	0.0047	U
Bromomethane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Carbon disulfide	--	--	--	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
Carbon tetrachloride	0.76	2.4	0.76	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Chlorobenzene	1.1	100	1.1	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
Chloroethane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Chloroform	0.37	49	0.37	0.0017	U	0.0016	U	0.0014	U	0.0015	U	0.0015	U	0.0018	U
Chloromethane	--	--	--	0.0046	U	0.0042	U	0.0038	U	0.0039	U	0.004	U	0.0047	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.0012	U	0.00042	J	0.00095	U	0.0024		0.00042	J	0.0012	U
cis-1,3-Dichloropropene	--	--	--	0.00058	U	0.00052	U	0.00047	U	0.00049	U	0.0005	U	0.00058	U
Dibromochloromethane	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Dibromomethane	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Dichlorodifluoromethane	--	--	--	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
Ethyl ether	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Ethylbenzene	1	41	1	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Hexachlorobutadiene	--	--	--	0.0046	U	0.0042	U	0.0038	U	0.0039	U	0.004	U	0.0047	U
Isopropylbenzene	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Methyl tert butyl ether	0.93	100	0.93	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Methylene chloride	0.05	100	0.05	0.0058	U	0.0052	U	0.0047	U	0.0049	U	0.005	U	0.0058	U
n-Butylbenzene	12	100	12	0.0046	U	0.001	U	0.0038	U	0.00099	U	0.001	U	0.0012	U
n-Propylbenzene	3.9	100	3.9	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Naphthalene	12	100	12	0.0012	U	0.0011	J	0.00095	U	0.0039	U	0.004	U	0.0047	U
o-Chlorotoluene	--	--	--	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
o-Xylene	--	--	--	0.00069	J	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
p-Chlorotoluene	--	--	--	0.00075	J	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
p-Diethylbenzene	--	--	--	0.0023	U	0.0025		0.0019	U	0.002	U	0.002	U	0.0023	U
p-Ethyltoluene	--	--	--	0.0023	U	0.00063	J	0.0019	U	0.002	U	0.002	U	0.0023	U
p-Isopropyltoluene	--	--	--	0.0023	U	0.001	U	0.0019	U	0.00099	U	0.001	U	0.0012	U
p/m-Xylene	--	--	--	0.0012	U	0.0021	U	0.00095	U	0.002	U	0.002	U	0.0023	U
sec-Butylbenzene	11	100	11	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Styrene	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
tert-Butylbenzene	5.9	100	5.9	0.0023	U	0.0021	U	0.0019	U	0.002	U	0.002	U	0.0023	U
Tetrachloroethene	1.3	19	1.3	0.00043	J	0.002		0.00041	J	0.00057		0.001		0.00068	
Toluene	0.7	100	0.7	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0017	U	0.0016	U	0.0014	U	0.0015	U	0.0015	U	0.0018	U
trans-1,3-Dichloropropene	--	--	--	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0058	U	0.0052	U	0.0047	U	0.0049	U	0.005	U	0.0058	U
Trichloroethene	0.47	21	0.47	0.00052	J	0.0014		0.00047	U	0.0075		0.0023		0.0012	
Trichlorofluoromethane	--	--	--	0.0046	U	0.0042	U	0.0038	U	0.0039	U	0.004	U	0.0047	U
Vinyl acetate	--	--	--	0.012	U	0.01	U	0.0095	U	0.0099	U	0.01	U	0.012	U
Vinyl chloride	0.02	0.9	0.02	0.0012	U	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U
Xylenes, Total	0.26	100	1.6	0.0014	J	0.001	U	0.00095	U	0.00099	U	0.001	U	0.0012	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 1 - Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-55		EP-65		EP-66		EP-67		EP-68		EP-69	
LAB SAMPLE ID				L2431297-02		L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03	
DATE				6/5/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024	
SAMPLE DEPTH (ft.)				5		5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)															
1,1,1,2-Tetrachloroethane	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00026	J	0.00042	U	0.00018	J	0.00024	J	0.00032	J	0.00051	U
1,1,2,2-Tetrachloroethane	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
1,1,2-Trichloroethane	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
1,1-Dichloroethane	0.27	26	0.27	0.00017	J	0.00084	U	0.00098	U	0.00014	J	0.0011	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
1,1-Dichloropropene	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
1,2,3-Trichlorobenzene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2,3-Trichloropropane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2,4-Trichlorobenzene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2-Dibromo-3-chloropropane	--	--	--	0.0026	U	0.0025	U	0.0029	U	0.0028	U	0.0032	U	0.003	U
1,2-Dibromoethane	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,2-Dichloroethane	0.02	3.1	0.02	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
1,2-Dichloroethene, Total	--	--	--	0.00023	J	0.00084	U	0.00037	J	0.00053	J	0.00054	J	0.00029	J
1,2-Dichloropropane	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichlorobenzene	2.4	49	2.4	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichloropropane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,3-Dichloropropene, Total	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
1,4-Dioxane	0.1	13	0.1	0.069	U	0.067	U	0.078	U	0.074	U	0.086	U	0.081	U
2,2-Dichloropropane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
2-Butanone	0.12	100	0.12	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
2-Hexanone	--	--	--	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
4-Methyl-2-pentanone	--	--	--	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
Acetone	0.05	100	0.05	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.0069	J	0.0083	J
Acrylonitrile	--	--	--	0.0034	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
Benzene	0.06	4.8	0.06	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
Bromobenzene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Bromochloromethane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Bromodichloromethane	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
Bromoform	--	--	--	0.0034	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
Bromomethane	--	--	--	0.00057	JB	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Carbon disulfide	--	--	--	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
Carbon tetrachloride	0.76	2.4	0.76	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
Chloroethane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Chloroform	0.37	49	0.37	0.0013	U	0.0013	U	0.0015	U	0.0014	U	0.0016	U	0.0015	U
Chloromethane	--	--	--	0.0034	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00023	J	0.00084	U	0.00037	J	0.00053	J	0.00054	J	0.001	U
cis-1,3-Dichloropropene	--	--	--	0.00043	U	0.00042	U	0.00049	U	0.00046	U	0.00053	U	0.00051	U
Dibromochloromethane	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Dibromomethane	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Dichlorodifluoromethane	--	--	--	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
Ethyl ether	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Ethylbenzene	1	41	1	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.0012	
Hexachlorobutadiene	--	--	--	0.0034	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
Isopropylbenzene	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Methyl tert butyl ether	0.93	100	0.93	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Methylene chloride	0.05	100	0.05	0.0043	U	0.0042	U	0.0049	U	0.0046	U	0.0053	U	0.003	J
n-Butylbenzene	12	100	12	0.00086	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
n-Propylbenzene	3.9	100	3.9	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Naphthalene	12	100	12	0.0034	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
o-Chlorotoluene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
o-Xylene	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.00066	J	0.0017	
p-Chlorotoluene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.00067	J	0.0083	
p-Diethylbenzene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
p-Ethyltoluene	--	--	--	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
p-Isopropyltoluene	--	--	--	0.00086	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
p/m-Xylene	--	--	--	0.0017	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
sec-Butylbenzene	11	100	11	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Styrene	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.0017	U	0.0017	U	0.002	U	0.0018	U	0.0021	U	0.002	U
Tetrachloroethene	1.3	19	1.3	0.0032		0.00087		0.00072		0.0011		0.0015		0.00051	U
Toluene	0.7	100	0.7	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.0011	
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0013	U	0.0015	U	0.0014	U	0.0016	U	0.00029	J
trans-1,3-Dichloropropene	--	--	--	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0043	U	0.0042	U	0.0049	U	0.0046	U	0.0053	U	0.0051	U
Trichloroethene	0.47	21	0.47	0.0014		0.00061		0.0018		0.0025		0.0029		0.0003	J
Trichlorofluoromethane	--	--	--	0.0034	U	0.0034	U	0.0039	U	0.0037	U	0.0043	U	0.0041	U
Vinyl acetate	--	--	--	0.0086	U	0.0084	U	0.0098	U	0.0092	U	0.011	U	0.01	U
Vinyl chloride	0.02	0.9	0.02	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0011	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.00086	U	0.00084	U	0.00098	U	0.00092	U	0.0013	J	0.01	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-43		EP-43		EP-46		EP-65		EP-50		EP-51	
LAB SAMPLE ID				L2430995-06		L2433652-01		L2431297-01		L2430995-02		L2431297-05		L2431297-03	
DATE				6/4/2024		6/14/2024		6/5/2024		6/4/2024		6/5/2024		6/5/2024	
SAMPLE DEPTH (ft.)				5		5.5		5		5.5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.03	U	0.029	U	0.028	U	0.028	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.18	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.97	U	0.94	U	0.88	U	0.9	U	0.86	U	0.87	U
2,4-Dinitrotoluene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.24	U	0.24	U	0.22	U	0.23	U	0.21	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.44	U	0.42	U	0.4	U	0.41	U	0.38	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.29	U	0.28	U	0.26	U	0.27	U	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.53	U	0.51	U	0.48	U	0.49	U	0.46	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.28	U	0.27	U	0.26	U	0.26	U	0.25	U	0.25	U
Acenaphthene	20	100	98	0.16		0.061	J	0.049	J	0.042	J	0.018	J	0.14	U
Acenaphthylene	100	1000	107	0.15	J	0.16	U	0.15	U	0.15	U	0.14	U	0.14	U
Acetophenone	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Anthracene	100	100	1000	1.6		0.073	J	0.074	J	0.048	J	0.037	J	0.11	U
Benzo(a)anthracene	1	1	1	**3.5**		0.19		0.17		0.13		0.1	J	0.054	J
Benzo(a)pyrene	1	1	22	**3.2**		0.18		0.16		0.12	J	0.1	J	0.054	J
Benzo(b)fluoranthene	1	1	1.7	**3.6**		0.23		0.19		0.16		0.13		0.065	J
Benzo(ghi)perylene	100	100	1000	1.6		0.12	J	0.1	J	0.083	J	0.068	J	0.036	J
Benzo(k)fluoranthene	0.8	3.9	1.7	**1.2**		0.075	J	0.064	J	0.051	J	0.044	J	0.11	U
Benzoic Acid	--	--	--	0.66	U	0.64	U	0.59	U	0.61	U	0.58	U	0.58	U
Benzyl Alcohol	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.46	U	0.45	U	0.42	U	0.43	U	0.41	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.22	U	0.21	U	0.2	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.18	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.24	U	0.24	U	0.22	U	0.23	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.064	J	0.072	J
Butyl benzyl phthalate	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Carbazole	--	--	--	0.065	J	0.04	J	0.043	J	0.033	J	0.022	J	0.18	U
Chrysene	1	3.9	1	**3.1**		0.16		0.16		0.13		0.1	J	0.048	J
Di-n-butylphthalate	--	--	--	0.41		0.2	U	0.18	U	0.11	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.1	J	0.2	U	0.18	U	0.018	J	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.2	U	0.029	J	0.024	J	0.19	U	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.2	U	0.023	J	0.03	J	0.19	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	7.8		0.39		0.37		0.28		0.22		0.1	J
Fluorene	30	100	386	0.3		0.036	J	0.04	J	0.024	J	0.017	J	0.18	U
Hexachlorobenzene	0.33	1.2	3.2	0.12	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.58	U	0.56	U	0.52	U	0.54	U	0.51	U	0.52	U
Hexachloroethane	--	--	--	0.16	U	0.16	U	0.15	U	0.15	U	0.14	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	**1.7**		0.11	J	0.096	J	0.076	J	0.065	J	0.033	J
Isophorone	--	--	--	0.18	U	0.18	U	0.16	U	0.17	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.034	J	0.2	U	0.18	U	0.032	J	0.18	U	0.18	U
Naphthalene	12	100	12	0.16	U	0.04	J	0.042	J	0.15	U	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.18	U	0.16	U	0.15	U	0.17	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.2	U	0.18	U	0.16	U	0.19	U	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.16	U	0.16	U	0.15	U	0.15	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	4.9		0.28		0.29		0.2		0.15		0.074	J
Phenol	0.33	100	0.33	0.2	U	0.2	U	0.18	U	0.19	U	0.18	U	0.18	U
Pyrene	100	100	1000	6.8		0.33		0.3		0.24		0.19		0.094	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds Unrestricted Use Soil Cleanup Objectives (SCOs)
Value exceeds Unrestricted and Restricted Residential Use SCOs
Value exceeds Unrestricted and Protection of Groundwater Use SCOs
Value exceeds Unrestricted, Restricted Residential, and Protection of Groundwater Use SCOs

Table 2 - Semi-Volatile Organic Compounds in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-54		EP-55		EP-66		EP-67		EP-68		EP-69	
LAB SAMPLE ID				L2431297-04		L2431297-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03	
DATE				6/5/2024		6/5/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024	
SAMPLE DEPTH (ft.)				5		5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)															
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.028	U	0.027	U	0.027	U	0.028	U	0.03	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.18	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2,4-Dinitrophenol	--	--	--	0.89	U	0.88	U	0.86	U	0.87	U	0.88	U	0.97	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U	0.21	U	0.22	U	0.061	J	0.24	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
2-Nitrophenol	--	--	--	0.4	U	0.4	U	0.39	U	0.39	U	0.4	U	0.44	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.27	U	0.26	U	0.26	U	0.26	U	0.26	U	0.29	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.48	U	0.46	U	0.47	U	0.48	U	0.52	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.25	U	0.25	U	0.26	U	0.28	U
Acenaphthene	20	100	98	0.047	J	0.15	U	0.038	J	0.022	J	0.19		0.16	U
Acenaphthylene	100	1000	107	0.15	U	0.15	U	0.14	U	0.14	U	0.15	U	0.16	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Anthracene	100	100	1000	0.064	J	0.11	U	0.065	J	0.041	J	0.3		0.12	U
Benzo(a)anthracene	1	1	1	0.12		0.089	J	0.15		0.1	J	0.72		0.03	J
Benzo(a)pyrene	1	1	22	0.12	J	0.086	J	0.15		0.11	J	0.71		0.16	U
Benzo(b)fluoranthene	1	1	1.7	0.14		0.1	J	0.19		0.13		0.87		0.12	U
Benzo(ghi)perylene	100	100	1000	0.069	J	0.055	J	0.098	J	0.07	J	0.47		0.16	U
Benzo(k)fluoranthene	0.8	3.9	1.7	0.04	J	0.033	J	0.059	J	0.045	J	0.31		0.12	U
Benzoic Acid	--	--	--	0.6	U	0.6	U	0.58	U	0.59	U	0.6	U	0.65	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Biphenyl	--	--	--	0.42	U	0.42	U	0.41	U	0.41	U	0.42	U	0.46	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.19	U	0.2	U	0.2	U	0.22	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.18	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.22	U	0.21	U	0.22	U	0.22	U	0.24	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.073	J	0.18	U	0.18	U	0.18	U	0.2	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Carbazole	--	--	--	0.032	J	0.18	U	0.036	J	0.022	J	0.14	J	0.2	U
Chrysene	1	3.9	1	0.1	J	0.083	J	0.15		0.1	J	0.7		0.026	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.022	J	0.11	U	0.1	J	0.12	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.021	J	0.18	U	0.11	J	0.2	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U	0.18	U	0.18	U	0.18	U	0.2	U
Dibenzofuran	7	59	210	0.023	J	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Fluoranthene	100	100	1000	0.28		0.17		0.38		0.23		1.8		0.064	J
Fluorene	30	100	386	0.033	J	0.18	U	0.027	J	0.18	U	0.09	J	0.2	U
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.12	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Hexachlorocyclopentadiene	--	--	--	0.53	U	0.53	U	0.51	U	0.52	U	0.52	U	0.58	U
Hexachloroethane	--	--	--	0.15	U	0.15	U	0.14	U	0.14	U	0.15	U	0.16	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.067	J	0.053	J	0.09	J	0.064	J	0.45		0.16	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.18	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.03	J	0.18	U	0.064	J	0.2	U
Naphthalene	12	100	12	0.037	J	0.18	U	0.14	U	0.14	U	0.15	U	0.16	U
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.16	U	0.16	U	0.16	U	0.18	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.18	U	0.18	U	0.18	U	0.2	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.15	U	0.14	U	0.14	U	0.15	U	0.16	U
Phenanthrene	100	100	1000	0.24		0.12		0.25		0.15		1.3		0.045	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U	0.2	U
Pyrene	100	100	1000	0.22		0.16		0.32		0.22		1.5		0.059	J

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds Unrestricted Use Soil Cleanup Objectives (SCOs)
Value exceeds Unrestricted and Restricted Residential Use SCOs
Value exceeds Unrestricted and Protection of Groundwater Use SCOs
Value exceeds Unrestricted, Restricted Residential, and Protection of Groundwater Use SCOs

Table 3 - Total Metals in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-43		EP-46		EP-47		EP-50		EP-51		EP-54	
LAB SAMPLE ID				L2430995-06		L2431297-01		L2430995-07		L2431297-05		L2431297-03		L2431297-04	
DATE				6/4/2024		6/5/2024		6/4/2024		6/5/2024		6/5/2024		6/5/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	6110		6930		6000		7220		5060		4570	
Antimony, Total	--	--	--	4.8	U	4.3	U	4.24	U	4.24	U	4.22	U	4.39	U
Arsenic, Total	13	16	16	1.16		2.59		1.28		3.76		1.87		1.7	
Barium, Total	350	400	820	34.5		49.6		55.2		50.6		25.2		22	
Beryllium, Total	7.2	72	47	0.339	J	0.366	J	0.376	J	0.342	J	0.26	J	0.216	J
Cadmium, Total	2.5	4.3	7.5	0.96	U	0.86	U	0.848	U	0.847	U	0.845	U	0.878	U
Calcium, Total	--	--	--	1280		9390		2610		12200		2970		2020	
Chromium, Total*	30	180	--	9.64		13.2		9.44		11.6		8.77		8.02	
Colbalt, Total	--	--	--	3.16		3.99		2.96		3.86		2.89		2.84	
Copper, Total	50	270	1720	4.8		14.8		5.67		12.4		6.35		5.22	
Iron, Total	--	--	--	8690		10300		7540		10400		8140		8100	
Lead, Total	63	400	450	4.66	J	31.6		12		25.8		11.4		7.75	
Magnesium, Total	--	--	--	1800		1800		1360		1960		1420		1390	
Manganese, Total	1600	2000	2000	342		386		558		349		228		183	
Mercury, Total	0.18	0.81	0.73	0.083	U	0.09		0.088	U	0.073	J	0.078	U	0.076	U
Nickel, Total	30	310	130	6.74		8.37		6.64		8.16		5.8		5.85	
Potassium, Total	--	--	--	314		485		492		521		397		384	
Selenium, Total	3.9	180	4	1.92	U	0.569	J	1.7	U	0.624	J	0.716	J	0.282	J
Silver, Total	2	180	8.3	0.48	U	0.43	U	0.424	U	0.424	U	0.422	U	0.439	U
Sodium, Total	--	--	--	93.6	J	175		83.4	J	226		183		163	J
Thallium, Total	--	--	--	1.92	U	1.72	U	1.7	U	1.69	U	1.69	U	1.76	U
Vanadium, Total	--	--	--	10.6		12.6		10.2		13.7		10.2		9.23	
Zinc, Total	109	2480	2480	16.5		65.6		21.2		39.9		24.6		19.2	

Table Notes:

--: No guidance value

***** Total chromium was compared to the trivalent chromium SCOs.

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 3 - Total Metals in End Points
101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-55		EP-65		EP-66		EP-67		EP-68		EP-69	
LAB SAMPLE ID				L2431297-02		L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03	
DATE				6/5/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024	
SAMPLE DEPTH (ft.)				5		5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	--	--	--	6070		5590		5690		5240		5050		6040	
Antimony, Total	--	--	--	4.37	U	0.62	J	0.336	J	0.435	J	4.31	U	4.66	U
Arsenic, Total	13	16	16	2.43		4.74		2.96		2.6		2.05		1.6	
Barium, Total	350	400	820	28		39.6		33.8		28.4		28		19.9	
Beryllium, Total	7.2	72	47	0.32	J	0.6		0.512		0.289	J	0.281	J	0.316	J
Cadmium, Total	2.5	4.3	7.5	0.874	U	0.11	J	0.861	U	0.832	U	0.862	U	0.932	U
Calcium, Total	--	--	--	2060		5290		4060		16200		12100		1180	
Chromium, Total*	30	180	--	10.7		12.3		15.7		9.39		8.54		8.67	
Colbalt, Total	--	--	--	3.58		5.12		3.85		3.88		3.07		3.76	
Copper, Total	50	270	1720	8.33		33		22.8		13.1		7.9		7.33	
Iron, Total	--	--	--	9450		11400		10400		10100		8070		9610	
Lead, Total	63	400	450	15.9		37.2		21.2		18		13		6.14	
Magnesium, Total	--	--	--	1660		2250		1730		8860		1570		1830	
Manganese, Total	1600	2000	2000	334		299		237		274		272		261	
Mercury, Total	0.18	0.81	0.73	0.071	J	0.071	J	0.076	J	0.076		0.08	U	0.092	U
Nickel, Total	30	310	130	7.28		10.7		8.85		7.6		6.56		8.27	
Potassium, Total	--	--	--	477		628		641		529		499		874	
Selenium, Total	3.9	180	4	0.33	J	0.344	J	1.72	U	1.66	U	1.72	U	1.86	U
Silver, Total	2	180	8.3	0.437	U	0.457	U	0.43	U	0.416	U	0.431	U	0.466	U
Sodium, Total	--	--	--	122	J	171	J	160	J	161	J	247		360	
Thallium, Total	--	--	--	1.75	U	1.83	U	1.72	U	1.66	U	1.72	U	1.86	U
Vanadium, Total	--	--	--	11		12.7		11.9		11.6		9.73		10.6	
Zinc, Total	109	2480	2480	29.9		**166**		72.8		31.8		26.2		19	

Table Notes:

--: No guidance value
***** Total chromium was compared to the trivalent chromium SCOs.
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-43		EP-46		EP-47		EP-50		EP-51		EP-54	
LAB SAMPLE ID				L2430995-06		L2431297-01		L2430995-07		L2431297-05		L2431297-03		L2431297-04	
DATE				6/4/2024		6/5/2024		6/4/2024		6/5/2024		6/5/2024		6/5/2024	
SAMPLE DEPTH (ft.)				5		5		5		5		5		5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
4,4'-DDE	0.0033	8.9	17	0.00197	U	0.00178		0.00171	U	0.0019		0.00173	U	0.00173	U
4,4'-DDT	0.0033	7.9	136	0.00197	U	0.00176	U	0.00171	U	0.0016	J	0.00173	U	0.00173	U
Aldrin	0.005	0.097	0.19	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Alpha-BHC	0.02	0.48	0.02	0.000822	U	0.000733	U	0.000714	U	0.0007	U	0.000721	U	0.00072	U
Beta-BHC	0.036	0.36	0.09	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Chlordane	--	--	--	0.0164	U	0.0146	U	0.0143	U	0.014	U	0.0144	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.00246	U	0.0022	U	0.00214	U	0.0021	U	0.00216	U	0.00216	U
Delta-BHC	0.04	100	0.25	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Dieldrin	0.005	0.2	0.1	0.00123	U	0.0011	U	0.00107	U	0.00105	U	0.00108	U	0.00108	U
Endosulfan I	2.4	24	102	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Endosulfan II	2.4	24	102	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Endosulfan sulfate	2.4	24	1000	0.000822	U	0.000733	U	0.000714	U	0.0007	U	0.000721	U	0.00072	U
Endrin	0.014	11	0.06	0.000822	U	0.000733	U	0.000714	U	0.0007	U	0.000721	U	0.00072	U
Endrin aldehyde	--	--	--	0.00246	U	0.0022	U	0.00214	U	0.0021	U	0.00216	U	0.00216	U
Endrin ketone	--	--	--	0.00197	U	0.00176	U	0.00171	U	0.00168	U	0.00173	U	0.00173	U
Heptachlor	0.042	2.1	0.38	0.000986	U	0.000879	U	0.000857	U	0.00084	U	0.000865	U	0.000865	U
Heptachlor epoxide	--	--	--	0.0037	U	0.0033	U	0.00321	U	0.00315	U	0.00324	U	0.00324	U
Lindane	0.1	1.3	0.1	0.000822	U	0.000733	U	0.000714	U	0.0007	U	0.000721	U	0.00072	U
Methoxychlor	--	--	--	0.0037	U	0.0033	U	0.00321	U	0.00315	U	0.00324	U	0.00324	U
Toxaphene	--	--	--	0.037	U	0.033	U	0.0321	U	0.0315	U	0.0324	U	0.0324	U
trans-Chlordane	--	--	--	0.00246	U	0.0022	U	0.00214	U	0.0021	U	0.00216	U	0.00216	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1221	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1232	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1242	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1254	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1260	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1262	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
Aroclor 1268	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U
PCBs, Total	0.1	1	3.2	0.0598	U	0.0539	U	0.0545	U	0.0537	U	0.0539	U	0.0518	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-55		EP-65		EP-66		EP-67		EP-68		EP-69	
LAB SAMPLE ID				L2431297-02		L2430995-02		L2430995-04		L2430995-01		L2430995-05		L2430995-03	
DATE				6/5/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024		6/4/2024	
SAMPLE DEPTH (ft.)				5		5.5		5.5		5.5		5.5		6	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	13	14	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
4,4'-DDE	0.0033	8.9	17	0.00118	J	**0.00394**		0.00222		0.0013	J	**0.00339**		0.00187	U
4,4'-DDT	0.0033	7.9	136	0.00234		**0.0083**		0.00281		0.00201		0.00272		0.00187	U
Aldrin	0.005	0.097	0.19	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Alpha-BHC	0.02	0.48	0.02	0.000732	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U
Beta-BHC	0.036	0.36	0.09	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Chlordane	--	--	--	0.0146	U	0.0154	U	0.0142	U	0.0139	U	0.0143	U	0.0156	U
cis-Chlordane	0.094	4.2	2.9	0.0022	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U
Delta-BHC	0.04	100	0.25	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Dieldrin	0.005	0.2	0.1	0.0011	U	0.00115	U	0.00107	U	0.00104	U	0.00107	U	0.00117	U
Endosulfan I	2.4	24	102	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Endosulfan II	2.4	24	102	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Endosulfan sulfate	2.4	24	1000	0.000732	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U
Endrin	0.014	11	0.06	0.000732	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U
Endrin aldehyde	--	--	--	0.0022	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U
Endrin ketone	--	--	--	0.00176	U	0.00184	U	0.00171	U	0.00167	U	0.00172	U	0.00187	U
Heptachlor	0.042	2.1	0.38	0.000879	U	0.000921	U	0.000855	U	0.000833	U	0.000858	U	0.000935	U
Heptachlor epoxide	--	--	--	0.00329	U	0.00345	U	0.0032	U	0.00312	U	0.00322	U	0.00351	U
Lindane	0.1	1.3	0.1	0.000732	U	0.000768	U	0.000712	U	0.000694	U	0.000715	U	0.000779	U
Methoxychlor	--	--	--	0.00329	U	0.00345	U	0.0032	U	0.00312	U	0.00322	U	0.00351	U
Toxaphene	--	--	--	0.0329	U	0.0345	U	0.032	U	0.0312	U	0.0322	U	0.0351	U
trans-Chlordane	--	--	--	0.0022	U	0.0023	U	0.00214	U	0.00208	U	0.00215	U	0.00234	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1221	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1232	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1242	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1254	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0084	J	0.0571	U
Aroclor 1260	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1262	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
Aroclor 1268	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0515	U	0.0571	U
PCBs, Total	0.1	1	3.2	0.0527	U	0.0556	U	0.0504	U	0.0529	U	0.0084	J	0.0571	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-54	
LAB SAMPLE ID				6/5/2023	
DATE				L2431297-04	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
PFAS by EPA Method 1633 (mg/kg)					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000796	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000288	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000199	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000199	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.00005	J
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000796	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000199	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000199	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000199	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000058	J
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000091	J
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000074	J
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000077	J
Perfluorononanoic Acid (PFNA)	--	--	--	0.000107	J
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000199	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.000124	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000293	
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000142	J
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000199	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000199	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000199	U
PFOA/PFOS, Total	--	--	--	0.000417	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

ANALYTICAL REPORT

Lab Number:	L2430995
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	06/11/24

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

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2430995-01	EP-67 (5.5' BGS)	SOIL	BRONX, NY	06/04/24 10:30	06/04/24
L2430995-02	EP-65 (5.5' BGS)	SOIL	BRONX, NY	06/04/24 10:55	06/04/24
L2430995-03	EP-69 (6' BGS)	SOIL	BRONX, NY	06/04/24 11:10	06/04/24
L2430995-04	EP-66 (5.5' BGS)	SOIL	BRONX, NY	06/04/24 11:25	06/04/24
L2430995-05	EP-68 (5.5' BGS)	SOIL	BRONX, NY	06/04/24 11:40	06/04/24
L2430995-06	EP-43 (5' BGS)	SOIL	BRONX, NY	06/04/24 12:20	06/04/24
L2430995-07	EP-47 (5' BGS)	SOIL	BRONX, NY	06/04/24 13:45	06/04/24
L2430995-08	FB 2024-06-04	WATER	BRONX, NY	06/04/24 14:15	06/04/24
L2430995-09	TB 2024-06-04	WATER	BRONX, NY	06/04/24 00:00	06/04/24

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2430995
Project Number:	41.0163097.00	**Report Date:**	06/11/24

Case Narrative

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

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

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

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

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

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

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995
Project Number: 41.0163097.00 **Report Date:** 06/11/24

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.

Volatile Organics

L2430995-03: The sample was received in appropriate containers (vials) for Volatile Organics by EPA Method 5035/8260; however, the results could not be reported. With the client's authorization, a sample aliquot was taken from an unpreserved container (inappropriate plastic) and preserved appropriately. Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Semivolatile Organics

The WG1931696-2/-3 LCS/LCSD recoveries, associated with L2430995-08, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Total Metals

L2430995-01 through -07: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

The WG1931346-3 MS recoveries for aluminum (421%), calcium (0%), iron (0%) and magnesium (0%), performed on L2430995-01, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1931346-4 Laboratory Duplicate RPDs for calcium (122%), lead (34%), magnesium (124%) and zinc (30%), performed on L2430995-01, 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: Caitlin Walukevich

Title: Technical Director/Representative Date: 06/11/24

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:44
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	4.6	2.1	1
1,1-Dichloroethane	0.14	J	ug/kg	0.92	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.92	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.92	0.11	1
Dibromochloromethane	ND		ug/kg	0.92	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.92	0.24	1
Tetrachloroethene	1.1		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	0.92	0.24	1
1,1,1-Trichloroethane	0.24	J	ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.92	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	0.15	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	0.92	0.50	1
Ethylbenzene	ND		ug/kg	0.92	0.13	1
Chloromethane	ND		ug/kg	3.7	0.86	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.92	0.31	1
Chloroethane	ND		ug/kg	1.8	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.92	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.12	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01 Date Collected: 06/04/24 10:30

Client ID: EP-67 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	2.5		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	0.92	0.27	1
Xylenes, Total	ND		ug/kg	0.92	0.27	1
cis-1,2-Dichloroethene	0.53	J	ug/kg	0.92	0.16	1
1,2-Dichloroethene, Total	0.53	J	ug/kg	0.92	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.92	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.2	0.84	1
Acetone	ND		ug/kg	9.2	4.4	1
Carbon disulfide	ND		ug/kg	9.2	4.2	1
2-Butanone	ND		ug/kg	9.2	2.0	1
Vinyl acetate	ND		ug/kg	9.2	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.2	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.12	1
2-Hexanone	ND		ug/kg	9.2	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	0.92	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	0.92	0.15	1
sec-Butylbenzene	ND		ug/kg	0.92	0.13	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	0.92	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.92	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.0	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:30
Date Received: 06/04/24
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	0.92	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	0.35	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.8	0.18	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						
No Tentatively Identified Compounds	ND		ug/kg			1

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 11:10
Analyst: JIC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.84	0.12	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.84	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.84	0.10	1
Dibromochloromethane	ND		ug/kg	0.84	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.84	0.22	1
Tetrachloroethene	0.87		ug/kg	0.42	0.16	1
Chlorobenzene	ND		ug/kg	0.42	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.58	1
1,2-Dichloroethane	ND		ug/kg	0.84	0.22	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	0.84	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	3.4	0.21	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	0.84	0.46	1
Ethylbenzene	ND		ug/kg	0.84	0.12	1
Chloromethane	ND		ug/kg	3.4	0.78	1
Bromomethane	ND		ug/kg	1.7	0.49	1
Vinyl chloride	ND		ug/kg	0.84	0.28	1
Chloroethane	ND		ug/kg	1.7	0.38	1
1,1-Dichloroethene	ND		ug/kg	0.84	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02 Date Collected: 06/04/24 10:55

Client ID: EP-65 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	0.61		ug/kg	0.42	0.12	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	0.84	0.24	1
Xylenes, Total	ND		ug/kg	0.84	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.84	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.84	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.84	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.4	0.77	1
Acetone	ND		ug/kg	8.4	4.0	1
Carbon disulfide	ND		ug/kg	8.4	3.8	1
2-Butanone	ND		ug/kg	8.4	1.9	1
Vinyl acetate	ND		ug/kg	8.4	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.4	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.4	0.99	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	0.84	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	0.84	0.14	1
sec-Butylbenzene	ND		ug/kg	0.84	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	0.84	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.84	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.84	0.09	1
Naphthalene	ND		ug/kg	3.4	0.55	1
Acrylonitrile	ND		ug/kg	3.4	0.97	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02 Date Collected: 06/04/24 10:55

Client ID: EP-65 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	0.84	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	30.	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	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1
Tentatively Identified Compounds						
Total TIC Compounds	38.2	J	ug/kg			1
Unknown Cycloalkane	35.4	J	ug/kg			1
Butane, 2-Methyl-	2.79	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 12:39
Analyst: JIC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	3.0	J	ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	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	1.1		ug/kg	1.0	0.55	1
Ethylbenzene	1.2		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.95	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	0.29	J	ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03 Date Collected: 06/04/24 11:10

Client ID: EP-69 (6' BGS) Date Received: 06/04/24

Sample Location: 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	0.30	J	ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	8.3		ug/kg	2.0	0.57	1
o-Xylene	1.7		ug/kg	1.0	0.30	1
Xylenes, Total	10		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.29	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	8.3	J	ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	81	36.	1
p-Diethylbenzene	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	2.90	J	ug/kg			1
Unknown	2.90	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	73		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 21:36
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	4.9	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.98	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.98	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.98	0.12	1
Dibromochloromethane	ND		ug/kg	0.98	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.98	0.26	1
Tetrachloroethene	0.72		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.98	0.25	1
1,1,1-Trichloroethane	0.18	J	ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.98	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.98	0.53	1
Ethylbenzene	ND		ug/kg	0.98	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.98	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.98	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.13	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04 Date Collected: 06/04/24 11:25

Client ID: EP-66 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	1.8		ug/kg	0.49	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.98	0.28	1
Xylenes, Total	ND		ug/kg	0.98	0.28	1
cis-1,2-Dichloroethene	0.37	J	ug/kg	0.98	0.17	1
1,2-Dichloroethene, Total	0.37	J	ug/kg	0.98	0.13	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.98	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.8	0.89	1
Acetone	ND		ug/kg	9.8	4.7	1
Carbon disulfide	ND		ug/kg	9.8	4.4	1
2-Butanone	ND		ug/kg	9.8	2.2	1
Vinyl acetate	ND		ug/kg	9.8	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.8	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.8	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.98	0.27	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.98	0.16	1
sec-Butylbenzene	ND		ug/kg	0.98	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.98	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.98	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:25
Date Received: 06/04/24
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	0.98	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	33.3	J	ug/kg			1
Unknown	30.7	J	ug/kg			1
Butane, 2-Methyl-	2.61	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 22:02
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	5.3	2.4	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	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	1.5		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.74	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.27	1
1,1,1-Trichloroethane	0.32	J	ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.1	0.58	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05 Date Collected: 06/04/24 11:40

Client ID: EP-68 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	2.9		ug/kg	0.53	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.67	J	ug/kg	2.1	0.60	1
o-Xylene	0.66	J	ug/kg	1.1	0.31	1
Xylenes, Total	1.3	J	ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.54	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.54	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	6.9	J	ug/kg	11	5.1	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	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	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:40
Date Received: 06/04/24
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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 12:20
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/07/24 12:54
Analyst: JIC
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.8	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.14	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	0.43	J	ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.6	0.80	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	0.20	J	ug/kg	0.58	0.19	1
Bromodichloromethane	ND		ug/kg	0.58	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.18	1
Bromoform	ND		ug/kg	4.6	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.63	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.6	1.1	1
Bromomethane	ND		ug/kg	2.3	0.67	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.52	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.16	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06 Date Collected: 06/04/24 12:20

Client ID: EP-43 (5' BGS) Date Received: 06/04/24

Sample Location: 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	0.52	J	ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.23	1
p/m-Xylene	0.75	J	ug/kg	2.3	0.65	1
o-Xylene	0.69	J	ug/kg	1.2	0.34	1
Xylenes, Total	1.4	J	ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.27	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.0	1
Acetone	ND		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.2	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.19	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.6	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.12	1
Naphthalene	ND		ug/kg	4.6	0.75	1
Acrylonitrile	ND		ug/kg	4.6	1.3	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 12:20
Date Received: 06/04/24
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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.37	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.38	1
1,4-Dioxane	ND		ug/kg	92	40.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.20	1
p-Ethyltoluene	ND		ug/kg	2.3	0.44	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.39	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	24.4	J	ug/kg			1
Unknown	24.4	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/08/24 12:58
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	4.7	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	0.41	J	ug/kg	0.47	0.19	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	0.95	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	0.95	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	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	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	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07 Date Collected: 06/04/24 13:45

Client ID: EP-47 (5' BGS) Date Received: 06/04/24

Sample Location: 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	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	ND		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 13:45
Date Received: 06/04/24
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	0.95	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	12.6	J	ug/kg			1
Unknown Cycloalkane	12.6	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/24 12:56
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08 Date Collected: 06/04/24 14:15

Client ID: FB 2024-06-04 Date Received: 06/04/24

Sample Location: 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	3.7	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-09
Client ID: TB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 00:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/06/24 13:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-09 Date Collected: 06/04/24 00:00

Client ID: TB 2024-06-04 Date Received: 06/04/24

Sample Location: 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-09
Client ID: TB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 00:00
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1930631-5					
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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1930631-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1930631-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/06/24 08:42
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 08-09 Batch: WG1930631-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	101		70-130

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/08/24 11:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1932007-5					
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	0.88	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/08/24 11:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1932007-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/08/24 11:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1932007-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/08/24 11:14
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1932007-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,06 Batch: WG1932044-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.19	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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,06 Batch: WG1932044-5					
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	0.69	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,06 Batch: WG1932044-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,06 Batch: WG1932044-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 20:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1932169-5					
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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 20:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1932169-5					
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	0.70	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 20:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1932169-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/07/24 20:37
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-05 Batch: WG1932169-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1932629-5					
Methylene chloride	2.4	J	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1932629-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1932629-5					
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	1.3	J	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: SA 101 EAST 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:22
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 03 Batch: WG1932629-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1930631-3 WG1930631-4								
Methylene chloride	92		94		70-130	2		20
1,1-Dichloroethane	94		96		70-130	2		20
Chloroform	94		97		70-130	3		20
Carbon tetrachloride	90		93		63-132	3		20
1,2-Dichloropropane	94		96		70-130	2		20
Dibromochloromethane	88		89		63-130	1		20
1,1,2-Trichloroethane	90		90		70-130	0		20
Tetrachloroethene	96		98		70-130	2		20
Chlorobenzene	97		98		75-130	1		20
Trichlorofluoromethane	94		94		62-150	0		20
1,2-Dichloroethane	91		93		70-130	2		20
1,1,1-Trichloroethane	94		96		67-130	2		20
Bromodichloromethane	90		92		67-130	2		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	91		93		70-130	2		20
1,1-Dichloropropene	92		94		70-130	2		20
Bromoform	80		82		54-136	2		20
1,1,2,2-Tetrachloroethane	83		88		67-130	6		20
Benzene	98		99		70-130	1		20
Toluene	94		96		70-130	2		20
Ethylbenzene	95		96		70-130	1		20
Chloromethane	93		94		64-130	1		20
Bromomethane	120		110		39-139	9		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1930631-3 WG1930631-4								
Vinyl chloride	95		96		55-140	1		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	99		100		61-145	1		20
trans-1,2-Dichloroethene	97		98		70-130	1		20
Trichloroethene	90		93		70-130	3		20
1,2-Dichlorobenzene	96		99		70-130	3		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	97		99		70-130	2		20
Methyl tert butyl ether	84		89		63-130	6		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	97		99		70-130	2		20
Dibromomethane	90		94		70-130	4		20
1,2,3-Trichloropropane	82		86		64-130	5		20
Acrylonitrile	78		83		70-130	6		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	85		86		36-147	1		20
Acetone	72		79		58-148	9		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	77		78		63-138	1		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	81		81		59-130	0		20
2-Hexanone	80		84		57-130	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1930631-3 WG1930631-4								
Bromochloromethane	95		97		70-130	2		20
2,2-Dichloropropane	98		98		63-133	0		20
1,2-Dibromoethane	95		96		70-130	1		20
1,3-Dichloropropane	92		94		70-130	2		20
1,1,1,2-Tetrachloroethane	94		94		64-130	0		20
Bromobenzene	95		98		70-130	3		20
n-Butylbenzene	92		95		53-136	3		20
sec-Butylbenzene	92		94		70-130	2		20
tert-Butylbenzene	94		95		70-130	1		20
o-Chlorotoluene	94		96		70-130	2		20
p-Chlorotoluene	93		96		70-130	3		20
1,2-Dibromo-3-chloropropane	78		83		41-144	6		20
Hexachlorobutadiene	89		92		63-130	3		20
Isopropylbenzene	94		95		70-130	1		20
p-Isopropyltoluene	95		97		70-130	2		20
Naphthalene	83		88		70-130	6		20
n-Propylbenzene	95		96		69-130	1		20
1,2,3-Trichlorobenzene	88		94		70-130	7		20
1,2,4-Trichlorobenzene	91		97		70-130	6		20
1,3,5-Trimethylbenzene	94		97		64-130	3		20
1,2,4-Trimethylbenzene	95		97		70-130	2		20
1,4-Dioxane	82		84		56-162	2		20
p-Diethylbenzene	94		96		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

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Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 08-09 Batch: WG1930631-3 WG1930631-4								
p-Ethyltoluene	94		97		70-130	3		20
1,2,4,5-Tetramethylbenzene	88		90		70-130	2		20
Ethyl ether	91		93		59-134	2		20
trans-1,4-Dichloro-2-butene	80		82		70-130	2		20

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1932007-3 WG1932007-4								
Methylene chloride	96		91		70-130	5		30
1,1-Dichloroethane	101		96		70-130	5		30
Chloroform	101		96		70-130	5		30
Carbon tetrachloride	103		97		70-130	6		30
1,2-Dichloropropane	102		98		70-130	4		30
Dibromochloromethane	92		89		70-130	3		30
1,1,2-Trichloroethane	96		93		70-130	3		30
Tetrachloroethene	109		102		70-130	7		30
Chlorobenzene	103		96		70-130	7		30
Trichlorofluoromethane	115		105		70-139	9		30
1,2-Dichloroethane	101		99		70-130	2		30
1,1,1-Trichloroethane	105		97		70-130	8		30
Bromodichloromethane	96		92		70-130	4		30
trans-1,3-Dichloropropene	99		94		70-130	5		30
cis-1,3-Dichloropropene	99		96		70-130	3		30
1,1-Dichloropropene	109		102		70-130	7		30
Bromoform	85		83		70-130	2		30
1,1,2,2-Tetrachloroethane	88		90		70-130	2		30
Benzene	103		97		70-130	6		30
Toluene	103		97		70-130	6		30
Ethylbenzene	106		99		70-130	7		30
Chloromethane	114		102		52-130	11		30
Bromomethane	123		114		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1932007-3 WG1932007-4								
Vinyl chloride	113		102		67-130	10		30
Chloroethane	113		102		50-151	10		30
1,1-Dichloroethene	104		96		65-135	8		30
trans-1,2-Dichloroethene	106		98		70-130	8		30
Trichloroethene	103		98		70-130	5		30
1,2-Dichlorobenzene	100		96		70-130	4		30
1,3-Dichlorobenzene	103		98		70-130	5		30
1,4-Dichlorobenzene	101		97		70-130	4		30
Methyl tert butyl ether	93		92		66-130	1		30
p/m-Xylene	108		101		70-130	7		30
o-Xylene	104		98		70-130	6		30
cis-1,2-Dichloroethene	95		83		70-130	13		30
Dibromomethane	92		92		70-130	0		30
Styrene	101		96		70-130	5		30
Dichlorodifluoromethane	113		103		30-146	9		30
Acetone	91		102		54-140	11		30
Carbon disulfide	110		101		59-130	9		30
2-Butanone	91		98		70-130	7		30
Vinyl acetate	101		98		70-130	3		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	90		95		68-130	5		30
2-Hexanone	83		88		70-130	6		30
Bromochloromethane	95		91		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1932007-3 WG1932007-4								
2,2-Dichloropropane	107		99		70-130	8		30
1,2-Dibromoethane	94		93		70-130	1		30
1,3-Dichloropropane	97		95		69-130	2		30
1,1,1,2-Tetrachloroethane	97		91		70-130	6		30
Bromobenzene	99		94		70-130	5		30
n-Butylbenzene	112		107		70-130	5		30
sec-Butylbenzene	111		103		70-130	7		30
tert-Butylbenzene	106		100		70-130	6		30
o-Chlorotoluene	104		100		70-130	4		30
p-Chlorotoluene	104		100		70-130	4		30
1,2-Dibromo-3-chloropropane	80		82		68-130	2		30
Hexachlorobutadiene	106		99		67-130	7		30
Isopropylbenzene	108		103		70-130	5		30
p-Isopropyltoluene	108		102		70-130	6		30
Naphthalene	88		92		70-130	4		30
Acrylonitrile	96		100		70-130	4		30
n-Propylbenzene	110		104		70-130	6		30
1,2,3-Trichlorobenzene	97		96		70-130	1		30
1,2,4-Trichlorobenzene	102		99		70-130	3		30
1,3,5-Trimethylbenzene	106		101		70-130	5		30
1,2,4-Trimethylbenzene	105		99		70-130	6		30
1,4-Dioxane	96		107		65-136	11		30
p-Diethylbenzene	110		103		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1932007-3 WG1932007-4								
p-Ethyltoluene	108		102		70-130	6		30
1,2,4,5-Tetramethylbenzene	103		99		70-130	4		30
Ethyl ether	93		89		67-130	4		30
trans-1,4-Dichloro-2-butene	92		95		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		104		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	100		100		70-130
Dibromofluoromethane	99		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1932044-3 WG1932044-4								
Methylene chloride	82		86		70-130	5		30
1,1-Dichloroethane	84		87		70-130	4		30
Chloroform	87		89		70-130	2		30
Carbon tetrachloride	90		91		70-130	1		30
1,2-Dichloropropane	85		88		70-130	3		30
Dibromochloromethane	93		98		70-130	5		30
1,1,2-Trichloroethane	84		88		70-130	5		30
Tetrachloroethene	81		83		70-130	2		30
Chlorobenzene	85		89		70-130	5		30
Trichlorofluoromethane	85		86		70-139	1		30
1,2-Dichloroethane	82		86		70-130	5		30
1,1,1-Trichloroethane	89		91		70-130	2		30
Bromodichloromethane	89		92		70-130	3		30
trans-1,3-Dichloropropene	88		92		70-130	4		30
cis-1,3-Dichloropropene	80		84		70-130	5		30
1,1-Dichloropropene	79		81		70-130	3		30
Bromoform	88		92		70-130	4		30
1,1,2,2-Tetrachloroethane	85		84		70-130	1		30
Benzene	88		91		70-130	3		30
Toluene	83		86		70-130	4		30
Ethylbenzene	84		87		70-130	4		30
Chloromethane	70		70		52-130	0		30
Bromomethane	58		59		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1932044-3 WG1932044-4								
Vinyl chloride	70		69		67-130	1		30
Chloroethane	73		74		50-151	1		30
1,1-Dichloroethene	79		80		65-135	1		30
trans-1,2-Dichloroethene	84		86		70-130	2		30
Trichloroethene	86		94		70-130	9		30
1,2-Dichlorobenzene	88		91		70-130	3		30
1,3-Dichlorobenzene	87		90		70-130	3		30
1,4-Dichlorobenzene	86		90		70-130	5		30
Methyl tert butyl ether	89		94		66-130	5		30
p/m-Xylene	78		81		70-130	4		30
o-Xylene	76		80		70-130	5		30
cis-1,2-Dichloroethene	85		88		70-130	3		30
Dibromomethane	88		92		70-130	4		30
Styrene	77		81		70-130	5		30
Dichlorodifluoromethane	72		72		30-146	0		30
Acetone	80		81		54-140	1		30
Carbon disulfide	80		81		59-130	1		30
2-Butanone	86		88		70-130	2		30
Vinyl acetate	88		71		70-130	21		30
4-Methyl-2-pentanone	78		84		70-130	7		30
1,2,3-Trichloropropane	83		85		68-130	2		30
2-Hexanone	82		87		70-130	6		30
Bromochloromethane	90		96		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1932044-3 WG1932044-4								
2,2-Dichloropropane	87		89		70-130	2		30
1,2-Dibromoethane	90		95		70-130	5		30
1,3-Dichloropropane	86		91		69-130	6		30
1,1,1,2-Tetrachloroethane	86		90		70-130	5		30
Bromobenzene	87		91		70-130	4		30
n-Butylbenzene	89		90		70-130	1		30
sec-Butylbenzene	87		89		70-130	2		30
tert-Butylbenzene	88		90		70-130	2		30
o-Chlorotoluene	85		88		70-130	3		30
p-Chlorotoluene	86		89		70-130	3		30
1,2-Dibromo-3-chloropropane	91		94		68-130	3		30
Hexachlorobutadiene	87		88		67-130	1		30
Isopropylbenzene	81		82		70-130	1		30
p-Isopropyltoluene	82		84		70-130	2		30
Naphthalene	99		103		70-130	4		30
Acrylonitrile	82		87		70-130	6		30
n-Propylbenzene	87		89		70-130	2		30
1,2,3-Trichlorobenzene	90		94		70-130	4		30
1,2,4-Trichlorobenzene	93		95		70-130	2		30
1,3,5-Trimethylbenzene	88		90		70-130	2		30
1,2,4-Trimethylbenzene	85		87		70-130	2		30
1,4-Dioxane	86		92		65-136	7		30
p-Diethylbenzene	85		87		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,06 Batch: WG1932044-3 WG1932044-4								
p-Ethyltoluene	87		89		70-130	2		30
1,2,4,5-Tetramethylbenzene	91		94		70-130	3		30
Ethyl ether	90		93		67-130	3		30
trans-1,4-Dichloro-2-butene	87		89		70-130	2		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1932169-3 WG1932169-4								
Methylene chloride	94		90		70-130	4		30
1,1-Dichloroethane	95		89		70-130	7		30
Chloroform	98		92		70-130	6		30
Carbon tetrachloride	100		94		70-130	6		30
1,2-Dichloropropane	96		92		70-130	4		30
Dibromochloromethane	103		101		70-130	2		30
1,1,2-Trichloroethane	95		93		70-130	2		30
Tetrachloroethene	92		85		70-130	8		30
Chlorobenzene	97		92		70-130	5		30
Trichlorofluoromethane	98		88		70-139	11		30
1,2-Dichloroethane	92		89		70-130	3		30
1,1,1-Trichloroethane	102		94		70-130	8		30
Bromodichloromethane	100		96		70-130	4		30
trans-1,3-Dichloropropene	99		96		70-130	3		30
cis-1,3-Dichloropropene	91		88		70-130	3		30
1,1-Dichloropropene	91		83		70-130	9		30
Bromoform	96		95		70-130	1		30
1,1,2,2-Tetrachloroethane	96		93		70-130	3		30
Benzene	100		94		70-130	6		30
Toluene	95		89		70-130	7		30
Ethylbenzene	96		90		70-130	6		30
Chloromethane	78		72		52-130	8		30
Bromomethane	67		62		57-147	8		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1932169-3 WG1932169-4								
Vinyl chloride	79		71		67-130	11		30
Chloroethane	84		76		50-151	10		30
1,1-Dichloroethene	90		82		65-135	9		30
trans-1,2-Dichloroethene	96		88		70-130	9		30
Trichloroethene	96		92		70-130	4		30
1,2-Dichlorobenzene	97		94		70-130	3		30
1,3-Dichlorobenzene	98		94		70-130	4		30
1,4-Dichlorobenzene	97		93		70-130	4		30
Methyl tert butyl ether	98		97		66-130	1		30
p/m-Xylene	89		84		70-130	6		30
o-Xylene	86		81		70-130	6		30
cis-1,2-Dichloroethene	97		91		70-130	6		30
Dibromomethane	98		95		70-130	3		30
Styrene	87		84		70-130	4		30
Dichlorodifluoromethane	81		73		30-146	10		30
Acetone	88		87		54-140	1		30
Carbon disulfide	91		83		59-130	9		30
2-Butanone	90		90		70-130	0		30
Vinyl acetate	109		98		70-130	11		30
4-Methyl-2-pentanone	87		88		70-130	1		30
1,2,3-Trichloropropane	88		88		68-130	0		30
2-Hexanone	91		93		70-130	2		30
Bromochloromethane	101		98		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1932169-3 WG1932169-4								
2,2-Dichloropropane	100		92		70-130	8		30
1,2-Dibromoethane	100		99		70-130	1		30
1,3-Dichloropropane	96		94		69-130	2		30
1,1,1,2-Tetrachloroethane	97		93		70-130	4		30
Bromobenzene	97		93		70-130	4		30
n-Butylbenzene	102		94		70-130	8		30
sec-Butylbenzene	99		92		70-130	7		30
tert-Butylbenzene	99		93		70-130	6		30
o-Chlorotoluene	95		91		70-130	4		30
p-Chlorotoluene	97		92		70-130	5		30
1,2-Dibromo-3-chloropropane	97		99		68-130	2		30
Hexachlorobutadiene	100		92		67-130	8		30
Isopropylbenzene	90		84		70-130	7		30
p-Isopropyltoluene	92		86		70-130	7		30
Naphthalene	105		104		70-130	1		30
Acrylonitrile	87		87		70-130	0		30
n-Propylbenzene	99		92		70-130	7		30
1,2,3-Trichlorobenzene	101		98		70-130	3		30
1,2,4-Trichlorobenzene	106		102		70-130	4		30
1,3,5-Trimethylbenzene	98		92		70-130	6		30
1,2,4-Trimethylbenzene	96		90		70-130	6		30
1,4-Dioxane	90		94		65-136	4		30
p-Diethylbenzene	97		90		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-05 Batch: WG1932169-3 WG1932169-4								
p-Ethyltoluene	98		91		70-130	7		30
1,2,4,5-Tetramethylbenzene	102		97		70-130	5		30
Ethyl ether	100		97		67-130	3		30
trans-1,4-Dichloro-2-butene	91		91		70-130	0		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1932629-3 WG1932629-4								
Methylene chloride	104		103		70-130	1		30
1,1-Dichloroethane	98		99		70-130	1		30
Chloroform	92		93		70-130	1		30
Carbon tetrachloride	101		93		70-130	8		30
1,2-Dichloropropane	103		106		70-130	3		30
Dibromochloromethane	102		102		70-130	0		30
1,1,2-Trichloroethane	100		102		70-130	2		30
Tetrachloroethene	93		93		70-130	0		30
Chlorobenzene	103		103		70-130	0		30
Trichlorofluoromethane	74		74		70-139	0		30
1,2-Dichloroethane	89		91		70-130	2		30
1,1,1-Trichloroethane	94		95		70-130	1		30
Bromodichloromethane	96		98		70-130	2		30
trans-1,3-Dichloropropene	106		107		70-130	1		30
cis-1,3-Dichloropropene	101		103		70-130	2		30
1,1-Dichloropropene	103		104		70-130	1		30
Bromoform	100		95		70-130	5		30
1,1,2,2-Tetrachloroethane	110		104		70-130	6		30
Benzene	103		104		70-130	1		30
Toluene	102		102		70-130	0		30
Ethylbenzene	100		100		70-130	0		30
Chloromethane	57		56		52-130	2		30
Bromomethane	73		73		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1932629-3 WG1932629-4								
Vinyl chloride	67		68		67-130	1		30
Chloroethane	71		70		50-151	1		30
1,1-Dichloroethene	110		95		65-135	15		30
trans-1,2-Dichloroethene	107		107		70-130	0		30
Trichloroethene	104		107		70-130	3		30
1,2-Dichlorobenzene	111		105		70-130	6		30
1,3-Dichlorobenzene	112		107		70-130	5		30
1,4-Dichlorobenzene	111		105		70-130	6		30
Methyl tert butyl ether	112		113		66-130	1		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	107		107		70-130	0		30
cis-1,2-Dichloroethene	102		103		70-130	1		30
Dibromomethane	93		94		70-130	1		30
Styrene	106		107		70-130	1		30
Dichlorodifluoromethane	56		57		30-146	2		30
Acetone	73		74		54-140	1		30
Carbon disulfide	101		83		59-130	20		30
2-Butanone	74		74		70-130	0		30
Vinyl acetate	75		72		70-130	4		30
4-Methyl-2-pentanone	93		93		70-130	0		30
1,2,3-Trichloropropane	112		108		68-130	4		30
2-Hexanone	76		77		70-130	1		30
Bromochloromethane	108		108		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1932629-3 WG1932629-4								
2,2-Dichloropropane	99		100		70-130	1		30
1,2-Dibromoethane	108		110		70-130	2		30
1,3-Dichloropropane	103		104		69-130	1		30
1,1,1,2-Tetrachloroethane	103		103		70-130	0		30
Bromobenzene	109		104		70-130	5		30
n-Butylbenzene	114		109		70-130	4		30
sec-Butylbenzene	112		111		70-130	1		30
tert-Butylbenzene	116		115		70-130	1		30
o-Chlorotoluene	112		110		70-130	2		30
p-Chlorotoluene	112		110		70-130	2		30
1,2-Dibromo-3-chloropropane	107		102		68-130	5		30
Hexachlorobutadiene	94		90		67-130	4		30
Isopropylbenzene	121		116		70-130	4		30
p-Isopropyltoluene	109		105		70-130	4		30
Naphthalene	126		119		70-130	6		30
Acrylonitrile	102		101		70-130	1		30
n-Propylbenzene	114		110		70-130	4		30
1,2,3-Trichlorobenzene	105		99		70-130	6		30
1,2,4-Trichlorobenzene	110		103		70-130	7		30
1,3,5-Trimethylbenzene	118		113		70-130	4		30
1,2,4-Trimethylbenzene	115		114		70-130	1		30
1,4-Dioxane	105		106		65-136	1		30
p-Diethylbenzene	120		114		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 03 Batch: WG1932629-3 WG1932629-4								
p-Ethyltoluene	118		113		70-130	4		30
1,2,4,5-Tetramethylbenzene	109		104		70-130	5		30
Ethyl ether	101		100		67-130	1		30
trans-1,4-Dichloro-2-butene	101		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	89		88		70-130
Toluene-d8	99		98		70-130
4-Bromofluorobenzene	111		110		70-130
Dibromofluoromethane	91		90		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 21:20
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	22	J	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	230		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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01 Date Collected: 06/04/24 10:30

Client ID: EP-67 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	100	J	ug/kg	110	20.	1
Benzo(a)pyrene	110	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	130		ug/kg	110	30.	1
Benzo(k)fluoranthene	45	J	ug/kg	110	29.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	41	J	ug/kg	110	35.	1
Benzo(ghi)perylene	70	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	150		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	64	J	ug/kg	140	25.	1
Pyrene	220		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:30
Date Received: 06/04/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	22	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	73		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	84		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 21:43
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	J	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	280		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	32	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	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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02 Date Collected: 06/04/24 10:55

Client ID: EP-65 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	130		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	160		ug/kg	110	32.	1
Benzo(k)fluoranthene	51	J	ug/kg	110	30.	1
Chrysene	130		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	48	J	ug/kg	110	37.	1
Benzo(ghi)perylene	83	J	ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	200		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	76	J	ug/kg	150	26.	1
Pyrene	240		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	18	J	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	900	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	90.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	33	J	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	72		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	79		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 22:06
Analyst: IM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	64	J	ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	68.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03 Date Collected: 06/04/24 11:10

Client ID: EP-69 (6' BGS) Date Received: 06/04/24

Sample Location: 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	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	30	J	ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	26	J	ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	45	J	ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	59	J	ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	97.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	650	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	ND		ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**17**	Q	25-120
Phenol-d6	51		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	18		10-136
4-Terphenyl-d14	71		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 22:30
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	38	J	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	380		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	30	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: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04 Date Collected: 06/04/24 11:25

Client ID: EP-66 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	150		ug/kg	110	20.	1
Benzo(a)pyrene	150		ug/kg	140	44.	1
Benzo(b)fluoranthene	190		ug/kg	110	30.	1
Benzo(k)fluoranthene	59	J	ug/kg	110	29.	1
Chrysene	150		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	65	J	ug/kg	110	35.	1
Benzo(ghi)perylene	98	J	ug/kg	140	21.	1
Fluorene	27	J	ug/kg	180	17.	1
Phenanthrene	250		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	22	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	90	J	ug/kg	140	25.	1
Pyrene	320		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	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	21	J	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: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:25
Date Received: 06/04/24
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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	36	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	58		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	67		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 22:53
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	190		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	32.	1
Fluoranthene	1800		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	64	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	62.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05 Date Collected: 06/04/24 11:40

Client ID: EP-68 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	720		ug/kg	110	21.	1
Benzo(a)pyrene	710		ug/kg	150	45.	1
Benzo(b)fluoranthene	870		ug/kg	110	31.	1
Benzo(k)fluoranthene	310		ug/kg	110	29.	1
Chrysene	700		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	300		ug/kg	110	36.	1
Benzo(ghi)perylene	470		ug/kg	150	22.	1
Fluorene	90	J	ug/kg	180	18.	1
Phenanthrene	1300		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	450		ug/kg	150	26.	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	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	110	J	ug/kg	180	17.	1
2-Methylnaphthalene	61	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	ND		ug/kg	260	29.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05 Date Collected: 06/04/24 11:40

Client ID: EP-68 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	140	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	804	J	ug/kg			1
Unknown PAH	454	J	ug/kg			1
Unknown	166	J	ug/kg			1
Unknown Ketone	184	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	84		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	87		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 12:20
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 23:16
Analyst: IM
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:53

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	160	21.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	23.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	36.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	35.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	54.	1
2,4-Dinitrotoluene	ND		ug/kg	200	40.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Fluoranthene	7800		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	20.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	580	180	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	34	J	ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	70.	1
Butyl benzyl phthalate	ND		ug/kg	200	51.	1
Di-n-butylphthalate	ND		ug/kg	200	38.	1
Di-n-octylphthalate	ND		ug/kg	200	69.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06 Date Collected: 06/04/24 12:20

Client ID: EP-43 (5' BGS) Date Received: 06/04/24

Sample Location: 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	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	3500		ug/kg	120	23.	1
Benzo(a)pyrene	3200		ug/kg	160	50.	1
Benzo(b)fluoranthene	3600		ug/kg	120	34.	1
Benzo(k)fluoranthene	1200		ug/kg	120	32.	1
Chrysene	3100		ug/kg	120	21.	1
Acenaphthylene	150	J	ug/kg	160	31.	1
Anthracene	1600		ug/kg	120	40.	1
Benzo(ghi)perylene	1600		ug/kg	160	24.	1
Fluorene	300		ug/kg	200	20.	1
Phenanthrene	4900		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	410		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	160	28.	1
Pyrene	6800		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	39.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	84.	1
Dibenzofuran	100	J	ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	67.	1
2-Nitrophenol	ND		ug/kg	440	76.	1
4-Nitrophenol	ND		ug/kg	280	83.	1
2,4-Dinitrophenol	ND		ug/kg	970	94.	1
4,6-Dinitro-o-cresol	ND		ug/kg	530	97.	1
Pentachlorophenol	ND		ug/kg	160	45.	1
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	32.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06 Date Collected: 06/04/24 12:20

Client ID: EP-43 (5' BGS) Date Received: 06/04/24

Sample Location: 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	200	39.	1
Benzoic Acid	ND		ug/kg	660	200	1
Benzyl Alcohol	ND		ug/kg	200	62.	1
Carbazole	65	J	ug/kg	200	20.	1
1,4-Dioxane	ND		ug/kg	30	9.3	1
Tentatively Identified Compounds						
Total TIC Compounds	11700	J	ug/kg			1
Unknown PAH	679	J	ug/kg			1
Unknown PAH	420	J	ug/kg			1
Unknown PAH	291	J	ug/kg			1
Unknown PAH	1240	J	ug/kg			1
Unknown PAH	698	J	ug/kg			1
Unknown	398	J	ug/kg			1
Unknown	722	J	ug/kg			1
Unknown PAH	423	J	ug/kg			1
Unknown PAH	440	J	ug/kg			1
Unknown PAH	476	J	ug/kg			1
Unknown PAH	818	J	ug/kg			1
Unknown	325	J	ug/kg			1
Unknown	421	J	ug/kg			1
Unknown PAH	464	J	ug/kg			1
Unknown PAH	601	J	ug/kg			1
Unknown PAH	1580	J	ug/kg			1
Unknown PAH	519	J	ug/kg			1
Unknown PAH	525	J	ug/kg			1
Unknown	364	J	ug/kg			1
Unknown Ketone	289	J	ug/kg			1

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 12:20
Date Received: 06/04/24
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	74		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	87		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	85		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/09/24 23:39
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:53

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	32.	1
Fluoranthene	100	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	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	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	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	62.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07 Date Collected: 06/04/24 13:45

Client ID: EP-47 (5' BGS) Date Received: 06/04/24

Sample Location: 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	43	J	ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	50	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	47	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	27	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	67	J	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	93	J	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	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	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	ND		ug/kg	260	29.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 13:45
Date Received: 06/04/24
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	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	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	159	J	ug/kg			1
Unknown	159	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	91		10-136
4-Terphenyl-d14	97		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 06/10/24 17:53
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:39

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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
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	30.1	J	ug/l			1
Unknown	9.30	J	ug/l			1
Unknown	6.40	J	ug/l			1
Unknown	5.10	J	ug/l			1
Unknown	4.20	J	ug/l			1
Unknown	5.10	J	ug/l			1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
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	45		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	87		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/10/24 13:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

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	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.06	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	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	ND		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	ND		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
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	46		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	104		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	97		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/10/24 19:29
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/06/24 20:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	40		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/07/24 15:20
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/06/24 20:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 08 Batch: WG1930848-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	52		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 17:30
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1931452-1					
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	43.
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	17.
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	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 17:30
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1931452-1					
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	27.
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	31.
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	61.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 17:30
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 06/08/24 00:52

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1931452-1					
4-Nitrophenol	ND		ug/kg	230	66.
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	230	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	60		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	64		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	68		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/10/24 10:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1931696-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/10/24 10:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1931696-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/10/24 10:01
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08 Batch: WG1931696-1					
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	13.4	J	ug/l
Unknown	7.60	J	ug/l
Unknown Organic Acid	5.80	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	81		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/10/24 12:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1931697-1					
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	0.04	J	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	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/10/24 12:46
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 08:27

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 08 Batch: WG1931697-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	69		15-120
2,4,6-Tribromophenol	84		10-120
4-Terphenyl-d14	91		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 08 Batch: WG1930848-2 WG1930848-3								
1,4-Dioxane	128		127		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	60		53		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1931452-2 WG1931452-3								
Acenaphthene	68		85		31-137	22		50
1,2,4-Trichlorobenzene	73		89		38-107	20		50
Hexachlorobenzene	70		87		40-140	22		50
Bis(2-chloroethyl)ether	64		78		40-140	20		50
2-Chloronaphthalene	75		92		40-140	20		50
1,2-Dichlorobenzene	64		81		40-140	23		50
1,3-Dichlorobenzene	65		80		40-140	21		50
1,4-Dichlorobenzene	65		81		28-104	22		50
3,3'-Dichlorobenzidine	63		81		40-140	25		50
2,4-Dinitrotoluene	79		98		40-132	21		50
2,6-Dinitrotoluene	84		101		40-140	18		50
Fluoranthene	77		94		40-140	20		50
4-Chlorophenyl phenyl ether	76		96		40-140	23		50
4-Bromophenyl phenyl ether	74		93		40-140	23		50
Bis(2-chloroisopropyl)ether	64		80		40-140	22		50
Bis(2-chloroethoxy)methane	66		80		40-117	19		50
Hexachlorobutadiene	79		95		40-140	18		50
Hexachlorocyclopentadiene	68		84		40-140	21		50
Hexachloroethane	61		74		40-140	19		50
Isophorone	68		82		40-140	19		50
Naphthalene	68		85		40-140	22		50
Nitrobenzene	71		89		40-140	23		50
NDPA/DPA	74		90		36-157	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1931452-2 WG1931452-3								
n-Nitrosodi-n-propylamine	67		84		32-121	23		50
Bis(2-ethylhexyl)phthalate	65		80		40-140	21		50
Butyl benzyl phthalate	69		84		40-140	20		50
Di-n-butylphthalate	69		85		40-140	21		50
Di-n-octylphthalate	61		76		40-140	22		50
Diethyl phthalate	69		84		40-140	20		50
Dimethyl phthalate	78		96		40-140	21		50
Benzo(a)anthracene	71		87		40-140	20		50
Benzo(a)pyrene	69		85		40-140	21		50
Benzo(b)fluoranthene	64		84		40-140	27		50
Benzo(k)fluoranthene	71		85		40-140	18		50
Chrysene	70		88		40-140	23		50
Acenaphthylene	78		95		40-140	20		50
Anthracene	72		89		40-140	21		50
Benzo(ghi)perylene	67		84		40-140	23		50
Fluorene	70		88		40-140	23		50
Phenanthrene	71		86		40-140	19		50
Dibenzo(a,h)anthracene	70		86		40-140	21		50
Indeno(1,2,3-cd)pyrene	69		88		40-140	24		50
Pyrene	77		93		35-142	19		50
Biphenyl	67		83		37-127	21		50
4-Chloroaniline	57		72		40-140	23		50
2-Nitroaniline	78		96		47-134	21		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1931452-2 WG1931452-3								
3-Nitroaniline	61		71		26-129	15		50
4-Nitroaniline	70		84		41-125	18		50
Dibenzofuran	72		89		40-140	21		50
2-Methylnaphthalene	74		87		40-140	16		50
1,2,4,5-Tetrachlorobenzene	73		89		40-117	20		50
Acetophenone	62		76		14-144	20		50
2,4,6-Trichlorophenol	84		102		30-130	19		50
p-Chloro-m-cresol	77		93		26-103	19		50
2-Chlorophenol	68		85		25-102	22		50
2,4-Dichlorophenol	77		94		30-130	20		50
2,4-Dimethylphenol	66		80		30-130	19		50
2-Nitrophenol	76		96		30-130	23		50
4-Nitrophenol	69		89		11-114	25		50
2,4-Dinitrophenol	74		97		4-130	27		50
4,6-Dinitro-o-cresol	84		108		10-130	25		50
Pentachlorophenol	60		76		17-109	24		50
Phenol	69		86		26-90	22		50
2-Methylphenol	71		87		30-130.	20		50
3-Methylphenol/4-Methylphenol	71		87		30-130	20		50
2,4,5-Trichlorophenol	85		104		30-130	20		50
Benzoic Acid	38		61		10-110	46		50
Benzyl Alcohol	74		91		40-140	21		50
Carbazole	71		86		54-128	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1931452-2 WG1931452-3								
1,4-Dioxane	41		49		40-140	18		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	70		89		25-120
Phenol-d6	71		87		10-120
Nitrobenzene-d5	75		91		23-120
2-Fluorobiphenyl	79		95		30-120
2,4,6-Tribromophenol	70		89		10-136
4-Terphenyl-d14	78		97		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1931696-2 WG1931696-3								
Acenaphthene	81		81		37-111	0		30
1,2,4-Trichlorobenzene	61		61		39-98	0		30
Hexachlorobenzene	84		82		40-140	2		30
Bis(2-chloroethyl)ether	81		74		40-140	9		30
2-Chloronaphthalene	67		70		40-140	4		30
1,2-Dichlorobenzene	66		66		40-140	0		30
1,3-Dichlorobenzene	63		59		40-140	7		30
1,4-Dichlorobenzene	62		59		36-97	5		30
3,3'-Dichlorobenzidine	96		96		40-140	0		30
2,4-Dinitrotoluene	92		88		48-143	4		30
2,6-Dinitrotoluene	83		83		40-140	0		30
Fluoranthene	87		86		40-140	1		30
4-Chlorophenyl phenyl ether	80		81		40-140	1		30
4-Bromophenyl phenyl ether	81		83		40-140	2		30
Bis(2-chloroisopropyl)ether	69		67		40-140	3		30
Bis(2-chloroethoxy)methane	75		78		40-140	4		30
Hexachlorobutadiene	56		52		40-140	7		30
Hexachlorocyclopentadiene	46		45		40-140	2		30
Hexachloroethane	59		59		40-140	0		30
Isophorone	74		76		40-140	3		30
Naphthalene	69		68		40-140	1		30
Nitrobenzene	75		76		40-140	1		30
NDPA/DPA	84		84		40-140	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1931696-2 WG1931696-3								
n-Nitrosodi-n-propylamine	80		75		29-132	6		30
Bis(2-ethylhexyl)phthalate	107		110		40-140	3		30
Butyl benzyl phthalate	106		107		40-140	1		30
Di-n-butylphthalate	96		94		40-140	2		30
Di-n-octylphthalate	108		110		40-140	2		30
Diethyl phthalate	92		91		40-140	1		30
Dimethyl phthalate	82		82		40-140	0		30
Benzo(a)anthracene	85		85		40-140	0		30
Benzo(a)pyrene	92		90		40-140	2		30
Benzo(b)fluoranthene	97		94		40-140	3		30
Benzo(k)fluoranthene	79		82		40-140	4		30
Chrysene	86		82		40-140	5		30
Acenaphthylene	76		75		45-123	1		30
Anthracene	82		83		40-140	1		30
Benzo(ghi)perylene	88		89		40-140	1		30
Fluorene	81		80		40-140	1		30
Phenanthrene	81		80		40-140	1		30
Dibenzo(a,h)anthracene	88		90		40-140	2		30
Indeno(1,2,3-cd)pyrene	86		87		40-140	1		30
Pyrene	86		85		26-127	1		30
Biphenyl	74		71		40-140	4		30
4-Chloroaniline	57		56		40-140	2		30
2-Nitroaniline	90		88		52-143	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1931696-2 WG1931696-3								
3-Nitroaniline	90		89		25-145	1		30
4-Nitroaniline	95		93		51-143	2		30
Dibenzofuran	78		77		40-140	1		30
2-Methylnaphthalene	71		69		40-140	3		30
1,2,4,5-Tetrachlorobenzene	63		63		2-134	0		30
Acetophenone	77		72		39-129	7		30
2,4,6-Trichlorophenol	61		61		30-130	0		30
p-Chloro-m-cresol	76		79		23-97	4		30
2-Chlorophenol	61		56		27-123	9		30
2,4-Dichlorophenol	63		61		30-130	3		30
2,4-Dimethylphenol	67		67		30-130	0		30
2-Nitrophenol	70		61		30-130	14		30
4-Nitrophenol	49		50		10-80	2		30
2,4-Dinitrophenol	46		43		20-130	7		30
4,6-Dinitro-o-cresol	69		64		20-164	8		30
Pentachlorophenol	56		53		9-103	6		30
Phenol	40		38		12-110	5		30
2-Methylphenol	73		73		30-130	0		30
3-Methylphenol/4-Methylphenol	74		70		30-130	6		30
2,4,5-Trichlorophenol	64		63		30-130	2		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	73		74		26-116	1		30
Carbazole	86		88		55-144	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08 Batch: WG1931696-2 WG1931696-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	45		39		21-120
Phenol-d6	42		37		10-120
Nitrobenzene-d5	69		68		23-120
2-Fluorobiphenyl	65		65		15-120
2,4,6-Tribromophenol	63		66		10-120
4-Terphenyl-d14	76		76		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1931697-2 WG1931697-3								
Acenaphthene	78		79		40-140	1		40
2-Chloronaphthalene	68		70		40-140	3		40
Fluoranthene	90		87		40-140	3		40
Hexachlorobutadiene	60		62		40-140	3		40
Naphthalene	66		66		40-140	0		40
Benzo(a)anthracene	79		81		40-140	3		40
Benzo(a)pyrene	88		91		40-140	3		40
Benzo(b)fluoranthene	79		90		40-140	13		40
Benzo(k)fluoranthene	84		80		40-140	5		40
Chrysene	86		87		40-140	1		40
Acenaphthylene	77		79		40-140	3		40
Anthracene	83		85		40-140	2		40
Benzo(ghi)perylene	94		92		40-140	2		40
Fluorene	81		81		40-140	0		40
Phenanthrene	76		78		40-140	3		40
Dibenzo(a,h)anthracene	100		98		40-140	2		40
Indeno(1,2,3-cd)pyrene	103		99		40-140	4		40
Pyrene	88		85		40-140	3		40
2-Methylnaphthalene	72		74		40-140	3		40
Pentachlorophenol	51		54		40-140	6		40
Hexachlorobenzene	73		76		40-140	4		40
Hexachloroethane	59		60		40-140	2		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 08 Batch: WG1931697-2 WG1931697-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47		45		21-120
Phenol-d6	42		41		10-120
Nitrobenzene-d5	94		95		23-120
2-Fluorobiphenyl	67		67		15-120
2,4,6-Tribromophenol	73		74		10-120
4-Terphenyl-d14	89		86		41-149

PCBS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 12:52
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.9	4.70	1	A
Aroclor 1221	ND		ug/kg	52.9	5.30	1	A
Aroclor 1232	ND		ug/kg	52.9	11.2	1	A
Aroclor 1242	ND		ug/kg	52.9	7.13	1	A
Aroclor 1248	ND		ug/kg	52.9	7.93	1	A
Aroclor 1254	ND		ug/kg	52.9	5.78	1	A
Aroclor 1260	ND		ug/kg	52.9	9.77	1	A
Aroclor 1262	ND		ug/kg	52.9	6.72	1	A
Aroclor 1268	ND		ug/kg	52.9	5.48	1	A
PCBs, Total	ND		ug/kg	52.9	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:00
Analyst: MEO
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.6	4.93	1	A
Aroclor 1221	ND		ug/kg	55.6	5.57	1	A
Aroclor 1232	ND		ug/kg	55.6	11.8	1	A
Aroclor 1242	ND		ug/kg	55.6	7.49	1	A
Aroclor 1248	ND		ug/kg	55.6	8.33	1	A
Aroclor 1254	ND		ug/kg	55.6	6.08	1	A
Aroclor 1260	ND		ug/kg	55.6	10.3	1	A
Aroclor 1262	ND		ug/kg	55.6	7.06	1	A
Aroclor 1268	ND		ug/kg	55.6	5.76	1	A
PCBs, Total	ND		ug/kg	55.6	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:08
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	57.1	5.07	1	A
Aroclor 1221	ND		ug/kg	57.1	5.72	1	A
Aroclor 1232	ND		ug/kg	57.1	12.1	1	A
Aroclor 1242	ND		ug/kg	57.1	7.70	1	A
Aroclor 1248	ND		ug/kg	57.1	8.56	1	A
Aroclor 1254	ND		ug/kg	57.1	6.25	1	A
Aroclor 1260	ND		ug/kg	57.1	10.6	1	A
Aroclor 1262	ND		ug/kg	57.1	7.25	1	A
Aroclor 1268	ND		ug/kg	57.1	5.92	1	A
PCBs, Total	ND		ug/kg	57.1	5.07	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:16
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	50.4	4.48	1	A
Aroclor 1221	ND		ug/kg	50.4	5.05	1	A
Aroclor 1232	ND		ug/kg	50.4	10.7	1	A
Aroclor 1242	ND		ug/kg	50.4	6.80	1	A
Aroclor 1248	ND		ug/kg	50.4	7.56	1	A
Aroclor 1254	ND		ug/kg	50.4	5.52	1	A
Aroclor 1260	ND		ug/kg	50.4	9.32	1	A
Aroclor 1262	ND		ug/kg	50.4	6.40	1	A
Aroclor 1268	ND		ug/kg	50.4	5.22	1	A
PCBs, Total	ND		ug/kg	50.4	4.48	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:23
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.5	4.57	1	A
Aroclor 1221	ND		ug/kg	51.5	5.16	1	A
Aroclor 1232	ND		ug/kg	51.5	10.9	1	A
Aroclor 1242	ND		ug/kg	51.5	6.94	1	A
Aroclor 1248	ND		ug/kg	51.5	7.72	1	A
Aroclor 1254	8.40	J	ug/kg	51.5	5.63	1	B
Aroclor 1260	ND		ug/kg	51.5	9.52	1	A
Aroclor 1262	ND		ug/kg	51.5	6.54	1	A
Aroclor 1268	ND		ug/kg	51.5	5.34	1	A
PCBs, Total	8.40	J	ug/kg	51.5	4.57	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 12:20
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:31
Analyst: MEO
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	59.8	5.31	1	A
Aroclor 1221	ND		ug/kg	59.8	6.00	1	A
Aroclor 1232	ND		ug/kg	59.8	12.7	1	A
Aroclor 1242	ND		ug/kg	59.8	8.07	1	A
Aroclor 1248	ND		ug/kg	59.8	8.98	1	A
Aroclor 1254	ND		ug/kg	59.8	6.55	1	A
Aroclor 1260	ND		ug/kg	59.8	11.0	1	A
Aroclor 1262	ND		ug/kg	59.8	7.60	1	A
Aroclor 1268	ND		ug/kg	59.8	6.20	1	A
PCBs, Total	ND		ug/kg	59.8	5.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:39
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	11.6	1	A
Aroclor 1242	ND		ug/kg	54.5	7.35	1	A
Aroclor 1248	ND		ug/kg	54.5	8.18	1	A
Aroclor 1254	ND		ug/kg	54.5	5.97	1	A
Aroclor 1260	ND		ug/kg	54.5	10.1	1	A
Aroclor 1262	ND		ug/kg	54.5	6.93	1	A
Aroclor 1268	ND		ug/kg	54.5	5.65	1	A
PCBs, Total	ND		ug/kg	54.5	4.84	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	76		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/10/24 11:30
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 16:01
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/24

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	B
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	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/09/24 13:40
Analyst: EMR

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:44
Cleanup Method: EPA 3665A
Cleanup Date: 06/08/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-07 Batch: WG1931462-1						
Aroclor 1016	ND		ug/kg	45.7	4.05	A
Aroclor 1221	ND		ug/kg	45.7	4.58	A
Aroclor 1232	ND		ug/kg	45.7	9.68	A
Aroclor 1242	ND		ug/kg	45.7	6.16	A
Aroclor 1248	ND		ug/kg	45.7	6.85	A
Aroclor 1254	ND		ug/kg	45.7	5.00	A
Aroclor 1260	ND		ug/kg	45.7	8.44	A
Aroclor 1262	ND		ug/kg	45.7	5.80	A
Aroclor 1268	ND		ug/kg	45.7	4.73	A
PCBs, Total	ND		ug/kg	45.7	4.05	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/10/24 10:29
Analyst: MEO

Extraction Method: EPA 3510C
Extraction Date: 06/09/24 15:09
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/10/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1931790-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1931462-2 WG1931462-3									
Aroclor 1016	83		71		40-140	16		50	A
Aroclor 1260	92		75		40-140	20		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		64		30-150	A
Decachlorobiphenyl	95		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		67		30-150	B
Decachlorobiphenyl	100		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08 Batch: WG1931790-2 WG1931790-3									
Aroclor 1016	68		65		40-140	5		50	A
Aroclor 1260	68		59		40-140	13		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		69		30-150	A
Decachlorobiphenyl	71		68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	102		101		30-150	B

PESTICIDES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:30
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 16:05
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.326	1	A
Lindane	ND		ug/kg	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.632	1	A
Heptachlor	ND		ug/kg	0.833	0.373	1	A
Aldrin	ND		ug/kg	1.67	0.586	1	A
Heptachlor epoxide	ND		ug/kg	3.12	0.937	1	A
Endrin	ND		ug/kg	0.694	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.729	1	A
Endrin ketone	ND		ug/kg	1.67	0.429	1	A
Dieldrin	ND		ug/kg	1.04	0.521	1	A
4,4'-DDE	1.30	J	ug/kg	1.67	0.385	1	B
4,4'-DDD	ND		ug/kg	1.67	0.594	1	A
4,4'-DDT	2.01		ug/kg	1.67	1.34	1	B
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.557	1	A
Endosulfan sulfate	ND		ug/kg	0.694	0.330	1	A
Methoxychlor	ND		ug/kg	3.12	0.972	1	A
Toxaphene	ND		ug/kg	31.2	8.75	1	A
cis-Chlordane	ND		ug/kg	2.08	0.580	1	A
trans-Chlordane	ND		ug/kg	2.08	0.550	1	A
Chlordane	ND		ug/kg	13.9	5.52	1	A

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:30
Date Received: 06/04/24
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	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 16:16
Analyst: MMG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.768	0.343	1	A
Alpha-BHC	ND		ug/kg	0.768	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.921	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.649	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.04	1	A
Endrin	ND		ug/kg	0.768	0.315	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.806	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.576	1	A
4,4'-DDE	3.94		ug/kg	1.84	0.426	1	B
4,4'-DDD	ND		ug/kg	1.84	0.657	1	A
4,4'-DDT	8.30		ug/kg	1.84	1.48	1	B
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.768	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.67	1	A
cis-Chlordane	ND		ug/kg	2.30	0.642	1	A
trans-Chlordane	ND		ug/kg	2.30	0.608	1	A
Chlordane	ND		ug/kg	15.4	6.10	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02 Date Collected: 06/04/24 10:55

Client ID: EP-65 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	90		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 16:27
Analyst: MMG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.87	0.366	1	A
Lindane	ND		ug/kg	0.779	0.348	1	A
Alpha-BHC	ND		ug/kg	0.779	0.221	1	A
Beta-BHC	ND		ug/kg	1.87	0.709	1	A
Heptachlor	ND		ug/kg	0.935	0.419	1	A
Aldrin	ND		ug/kg	1.87	0.658	1	A
Heptachlor epoxide	ND		ug/kg	3.51	1.05	1	A
Endrin	ND		ug/kg	0.779	0.320	1	A
Endrin aldehyde	ND		ug/kg	2.34	0.818	1	A
Endrin ketone	ND		ug/kg	1.87	0.482	1	A
Dieldrin	ND		ug/kg	1.17	0.584	1	A
4,4'-DDE	ND		ug/kg	1.87	0.432	1	A
4,4'-DDD	ND		ug/kg	1.87	0.667	1	A
4,4'-DDT	ND		ug/kg	1.87	1.50	1	A
Endosulfan I	ND		ug/kg	1.87	0.442	1	A
Endosulfan II	ND		ug/kg	1.87	0.625	1	A
Endosulfan sulfate	ND		ug/kg	0.779	0.371	1	A
Methoxychlor	ND		ug/kg	3.51	1.09	1	A
Toxaphene	ND		ug/kg	35.1	9.82	1	A
cis-Chlordane	ND		ug/kg	2.34	0.652	1	A
trans-Chlordane	ND		ug/kg	2.34	0.617	1	A
Chlordane	ND		ug/kg	15.6	6.20	1	A

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:10
Date Received: 06/04/24
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	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 16:39
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	2.22		ug/kg	1.71	0.395	1	B
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	2.81		ug/kg	1.71	1.37	1	B
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	8.97	1	A
cis-Chlordane	ND		ug/kg	2.14	0.595	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04 Date Collected: 06/04/24 11:25

Client ID: EP-66 (5.5' BGS) Date Received: 06/04/24

Sample Location: 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	61		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:40
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 16:50
Analyst: MMG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.72	0.336	1	A
Lindane	ND		ug/kg	0.715	0.320	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.651	1	A
Heptachlor	ND		ug/kg	0.858	0.385	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.966	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.15	0.751	1	A
Endrin ketone	ND		ug/kg	1.72	0.442	1	A
Dieldrin	ND		ug/kg	1.07	0.536	1	A
4,4'-DDE	3.39		ug/kg	1.72	0.397	1	B
4,4'-DDD	ND		ug/kg	1.72	0.612	1	A
4,4'-DDT	2.72		ug/kg	1.72	1.38	1	B
Endosulfan I	ND		ug/kg	1.72	0.406	1	A
Endosulfan II	ND		ug/kg	1.72	0.574	1	A
Endosulfan sulfate	ND		ug/kg	0.715	0.340	1	A
Methoxychlor	ND		ug/kg	3.22	1.00	1	A
Toxaphene	ND		ug/kg	32.2	9.01	1	A
cis-Chlordane	ND		ug/kg	2.15	0.598	1	A
trans-Chlordane	ND		ug/kg	2.15	0.566	1	A
Chlordane	ND		ug/kg	14.3	5.69	1	A

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:40
Date Received: 06/04/24
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	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	92		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 12:20
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 17:01
Analyst: MMG
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.822	0.367	1	A
Alpha-BHC	ND		ug/kg	0.822	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.748	1	A
Heptachlor	ND		ug/kg	0.986	0.442	1	A
Aldrin	ND		ug/kg	1.97	0.694	1	A
Heptachlor epoxide	ND		ug/kg	3.70	1.11	1	A
Endrin	ND		ug/kg	0.822	0.337	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.863	1	A
Endrin ketone	ND		ug/kg	1.97	0.508	1	A
Dieldrin	ND		ug/kg	1.23	0.616	1	A
4,4'-DDE	ND		ug/kg	1.97	0.456	1	A
4,4'-DDD	ND		ug/kg	1.97	0.703	1	A
4,4'-DDT	ND		ug/kg	1.97	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.466	1	A
Endosulfan II	ND		ug/kg	1.97	0.659	1	A
Endosulfan sulfate	ND		ug/kg	0.822	0.391	1	A
Methoxychlor	ND		ug/kg	3.70	1.15	1	A
Toxaphene	ND		ug/kg	37.0	10.4	1	A
cis-Chlordane	ND		ug/kg	2.46	0.687	1	A
trans-Chlordane	ND		ug/kg	2.46	0.651	1	A
Chlordane	ND		ug/kg	16.4	6.53	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06 Date Collected: 06/04/24 12:20

Client ID: EP-43 (5' BGS) Date Received: 06/04/24

Sample Location: 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	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 17:12
Analyst: MMG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	0.536	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	0.573	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	1.00	1	A
Toxaphene	ND		ug/kg	32.1	9.00	1	A
cis-Chlordane	ND		ug/kg	2.14	0.597	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07 Date Collected: 06/04/24 13:45

Client ID: EP-47 (5' BGS) Date Received: 06/04/24

Sample Location: 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	67		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY

Date Collected: 06/04/24 14:15
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/11/24 12:46
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/10/24 08:56

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: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/24 14:59
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1931460-1						
Delta-BHC	ND		ug/kg	1.50	0.294	A
Lindane	ND		ug/kg	0.626	0.280	A
Alpha-BHC	ND		ug/kg	0.626	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.570	A
Heptachlor	ND		ug/kg	0.751	0.337	A
Aldrin	ND		ug/kg	1.50	0.529	A
Heptachlor epoxide	ND		ug/kg	2.82	0.845	A
Endrin	ND		ug/kg	0.626	0.257	A
Endrin aldehyde	ND		ug/kg	1.88	0.657	A
Endrin ketone	ND		ug/kg	1.50	0.387	A
Dieldrin	ND		ug/kg	0.939	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.536	A
4,4'-DDT	ND		ug/kg	1.50	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.355	A
Endosulfan II	ND		ug/kg	1.50	0.502	A
Endosulfan sulfate	ND		ug/kg	0.626	0.298	A
Methoxychlor	ND		ug/kg	2.82	0.877	A
Toxaphene	ND		ug/kg	28.2	7.89	A
cis-Chlordane	ND		ug/kg	1.88	0.523	A
trans-Chlordane	ND		ug/kg	1.88	0.496	A
Chlordane	ND		ug/kg	12.5	4.98	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/24 14:59
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 06/08/24 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-07 Batch: WG1931460-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/24 09:52
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/10/24 08:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1931956-1						
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/11/24 09:52
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/10/24 08:56

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08 Batch: WG1931956-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	88		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1931460-2 WG1931460-3									
Delta-BHC	73		82		30-150	12		30	A
Lindane	78		85		30-150	9		30	A
Alpha-BHC	81		86		30-150	6		30	A
Beta-BHC	86		90		30-150	5		30	A
Heptachlor	79		86		30-150	8		30	A
Aldrin	77		84		30-150	9		30	A
Heptachlor epoxide	65		72		30-150	10		30	A
Endrin	80		88		30-150	10		30	A
Endrin aldehyde	73		78		30-150	7		30	A
Endrin ketone	86		95		30-150	10		30	A
Dieldrin	85		94		30-150	10		30	A
4,4'-DDE	78		86		30-150	10		30	A
4,4'-DDD	83		92		30-150	10		30	A
4,4'-DDT	75		84		30-150	11		30	A
Endosulfan I	75		83		30-150	10		30	A
Endosulfan II	81		90		30-150	11		30	A
Endosulfan sulfate	75		84		30-150	11		30	A
Methoxychlor	95		104		30-150	9		30	A
cis-Chlordane	72		80		30-150	11		30	A
trans-Chlordane	70		76		30-150	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-07 Batch: WG1931460-2 WG1931460-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		70		30-150	A
Decachlorobiphenyl	88		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		92		30-150	B
Decachlorobiphenyl	99		110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1931956-2 WG1931956-3									
Delta-BHC	84		89		30-150	6		20	A
Lindane	73		76		30-150	4		20	A
Alpha-BHC	81		85		30-150	5		20	A
Beta-BHC	87		92		30-150	5		20	A
Heptachlor	62		68		30-150	10		20	A
Aldrin	73		77		30-150	6		20	A
Heptachlor epoxide	73		78		30-150	7		20	A
Endrin	41		40		30-150	4		20	A
Endrin aldehyde	79		84		30-150	6		20	A
Endrin ketone	114		129		30-150	12		20	A
Dieldrin	80		85		30-150	5		20	A
4,4'-DDE	79		85		30-150	7		20	A
4,4'-DDD	90		99		30-150	9		20	A
4,4'-DDT	68		74		30-150	8		20	A
Endosulfan I	72		77		30-150	7		20	A
Endosulfan II	78		85		30-150	8		20	A
Endosulfan sulfate	88		100		30-150	12		20	A
Methoxychlor	82		90		30-150	10		20	A
cis-Chlordane	69		73		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1931956-2 WG1931956-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	A
Decachlorobiphenyl	91		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		72		30-150	B
Decachlorobiphenyl	86		87		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08 Batch: WG1931956-2 WG1931956-3									
trans-Chlordane	84		86		30-150	2		20	B

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		76		30-150	A
Decachlorobiphenyl	91		96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		72		30-150	B
Decachlorobiphenyl	86		87		30-150	B

METALS

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:30
Date Received: 06/04/24
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	5240		mg/kg	8.32	2.25	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Antimony, Total	0.435	J	mg/kg	4.16	0.316	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.60		mg/kg	0.832	0.173	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Barium, Total	28.4		mg/kg	0.832	0.145	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.289	J	mg/kg	0.416	0.028	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.832	0.082	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Calcium, Total	16200		mg/kg	8.32	2.91	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Chromium, Total	9.39		mg/kg	0.832	0.080	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.88		mg/kg	1.66	0.138	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Copper, Total	13.1		mg/kg	0.832	0.215	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Iron, Total	10100		mg/kg	4.16	0.752	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Lead, Total	18.0		mg/kg	4.16	0.223	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Magnesium, Total	8860		mg/kg	8.32	1.28	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Manganese, Total	274		mg/kg	0.832	0.132	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Mercury, Total	0.076		mg/kg	0.072	0.047	1	06/10/24 16:11	06/10/24 19:19	EPA 7471B	1,7471B	DHL
Nickel, Total	7.60		mg/kg	2.08	0.201	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Potassium, Total	529		mg/kg	208	12.0	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.66	0.215	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.416	0.236	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Sodium, Total	161	J	mg/kg	166	2.62	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.66	0.262	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Vanadium, Total	11.6		mg/kg	0.832	0.169	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM
Zinc, Total	31.8		mg/kg	4.16	0.244	2	06/11/24 07:45	06/11/24 10:57	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 10:55
Date Received: 06/04/24
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	5590		mg/kg	9.14	2.47	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Antimony, Total	0.620	J	mg/kg	4.57	0.347	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Arsenic, Total	4.74		mg/kg	0.914	0.190	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Barium, Total	39.6		mg/kg	0.914	0.159	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.600		mg/kg	0.457	0.030	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Cadmium, Total	0.110	J	mg/kg	0.914	0.090	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Calcium, Total	5290		mg/kg	9.14	3.20	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Chromium, Total	12.3		mg/kg	0.914	0.088	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Cobalt, Total	5.12		mg/kg	1.83	0.152	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Copper, Total	33.0		mg/kg	0.914	0.236	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Iron, Total	11400		mg/kg	4.57	0.826	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Lead, Total	37.2		mg/kg	4.57	0.245	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Magnesium, Total	2250		mg/kg	9.14	1.41	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Manganese, Total	299		mg/kg	0.914	0.145	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Mercury, Total	0.071	J	mg/kg	0.076	0.050	1	06/10/24 16:11	06/10/24 19:40	EPA 7471B	1,7471B	DHL
Nickel, Total	10.7		mg/kg	2.29	0.221	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Potassium, Total	628		mg/kg	229	13.2	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Selenium, Total	0.344	J	mg/kg	1.83	0.236	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.457	0.259	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Sodium, Total	171	J	mg/kg	183	2.88	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.83	0.288	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Vanadium, Total	12.7		mg/kg	0.914	0.186	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM
Zinc, Total	166		mg/kg	4.57	0.268	2	06/11/24 07:45	06/11/24 10:46	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:10
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	6040		mg/kg	9.32	2.52	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.66	0.354	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Arsenic, Total	1.60		mg/kg	0.932	0.194	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Barium, Total	19.9		mg/kg	0.932	0.162	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.316	J	mg/kg	0.466	0.031	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.932	0.091	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Calcium, Total	1180		mg/kg	9.32	3.26	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Chromium, Total	8.67		mg/kg	0.932	0.089	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.76		mg/kg	1.86	0.155	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Copper, Total	7.33		mg/kg	0.932	0.240	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Iron, Total	9610		mg/kg	4.66	0.841	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Lead, Total	6.14		mg/kg	4.66	0.250	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Magnesium, Total	1830		mg/kg	9.32	1.43	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Manganese, Total	261		mg/kg	0.932	0.148	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.092	0.060	1	06/10/24 16:11	06/10/24 19:43	EPA 7471B	1,7471B	DHL
Nickel, Total	8.27		mg/kg	2.33	0.225	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Potassium, Total	874		mg/kg	233	13.4	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.86	0.240	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.466	0.264	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Sodium, Total	360		mg/kg	186	2.93	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.86	0.293	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Vanadium, Total	10.6		mg/kg	0.932	0.189	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM
Zinc, Total	19.0		mg/kg	4.66	0.273	2	06/11/24 07:45	06/11/24 10:50	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:25
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	5690		mg/kg	8.61	2.32	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Antimony, Total	0.336	J	mg/kg	4.30	0.327	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.96		mg/kg	0.861	0.179	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Barium, Total	33.8		mg/kg	0.861	0.150	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.512		mg/kg	0.430	0.028	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.861	0.084	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Calcium, Total	4060		mg/kg	8.61	3.01	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Chromium, Total	15.7		mg/kg	0.861	0.083	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.85		mg/kg	1.72	0.143	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Copper, Total	22.8		mg/kg	0.861	0.222	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Iron, Total	10400		mg/kg	4.30	0.777	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Lead, Total	21.2		mg/kg	4.30	0.231	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Magnesium, Total	1730		mg/kg	8.61	1.32	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Manganese, Total	237		mg/kg	0.861	0.137	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Mercury, Total	0.076	J	mg/kg	0.078	0.051	1	06/10/24 16:11	06/10/24 19:47	EPA 7471B	1,7471B	DHL
Nickel, Total	8.85		mg/kg	2.15	0.208	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Potassium, Total	641		mg/kg	215	12.4	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.72	0.222	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.430	0.244	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Sodium, Total	160	J	mg/kg	172	2.71	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.72	0.271	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Vanadium, Total	11.9		mg/kg	0.861	0.175	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM
Zinc, Total	72.8		mg/kg	4.30	0.252	2	06/11/24 07:45	06/11/24 10:53	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 11:40
Date Received: 06/04/24
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	5050		mg/kg	8.62	2.33	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.31	0.328	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.05		mg/kg	0.862	0.179	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Barium, Total	28.0		mg/kg	0.862	0.150	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.281	J	mg/kg	0.431	0.028	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.862	0.085	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Calcium, Total	12100		mg/kg	8.62	3.02	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Chromium, Total	8.54		mg/kg	0.862	0.083	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.07		mg/kg	1.72	0.143	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Copper, Total	7.90		mg/kg	0.862	0.222	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Iron, Total	8070		mg/kg	4.31	0.779	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Lead, Total	13.0		mg/kg	4.31	0.231	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Magnesium, Total	1570		mg/kg	8.62	1.33	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Manganese, Total	272		mg/kg	0.862	0.137	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.080	0.052	1	06/10/24 16:11	06/10/24 19:50	EPA 7471B	1,7471B	DHL
Nickel, Total	6.56		mg/kg	2.16	0.209	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Potassium, Total	499		mg/kg	216	12.4	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.72	0.222	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.431	0.244	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Sodium, Total	247		mg/kg	172	2.72	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.72	0.272	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Vanadium, Total	9.73		mg/kg	0.862	0.175	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM
Zinc, Total	26.2		mg/kg	4.31	0.253	2	06/11/24 07:45	06/11/24 11:23	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 12:20
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6110		mg/kg	9.60	2.59	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.80	0.365	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Arsenic, Total	1.16		mg/kg	0.960	0.200	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Barium, Total	34.5		mg/kg	0.960	0.167	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.339	J	mg/kg	0.480	0.032	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.960	0.094	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Calcium, Total	1280		mg/kg	9.60	3.36	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Chromium, Total	9.64		mg/kg	0.960	0.092	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.16		mg/kg	1.92	0.159	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Copper, Total	4.80		mg/kg	0.960	0.248	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Iron, Total	8690		mg/kg	4.80	0.867	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Lead, Total	4.66	J	mg/kg	4.80	0.257	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Magnesium, Total	1800		mg/kg	9.60	1.48	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Manganese, Total	342		mg/kg	0.960	0.153	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/10/24 16:11	06/10/24 19:53	EPA 7471B	1,7471B	DHL
Nickel, Total	6.74		mg/kg	2.40	0.232	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Potassium, Total	314		mg/kg	240	13.8	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.92	0.248	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.480	0.272	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Sodium, Total	93.6	J	mg/kg	192	3.02	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.92	0.302	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Vanadium, Total	10.6		mg/kg	0.960	0.195	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM
Zinc, Total	16.5		mg/kg	4.80	0.281	2	06/11/24 07:45	06/11/24 11:27	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2430995
Project Number: 41.0163097.00
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY
Date Collected: 06/04/24 13:45
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Total Metals - Mansfield Lab

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Aluminum, Total	6000		mg/kg	8.48	2.29	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.24	0.322	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Arsenic, Total	1.28		mg/kg	0.848	0.176	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Barium, Total	55.2		mg/kg	0.848	0.148	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.376	J	mg/kg	0.424	0.028	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.848	0.083	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Calcium, Total	2610		mg/kg	8.48	2.97	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Chromium, Total	9.44		mg/kg	0.848	0.081	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Cobalt, Total	2.96		mg/kg	1.70	0.141	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Copper, Total	5.67		mg/kg	0.848	0.219	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Iron, Total	7540		mg/kg	4.24	0.766	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Lead, Total	12.0		mg/kg	4.24	0.227	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Magnesium, Total	1360		mg/kg	8.48	1.31	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Manganese, Total	558		mg/kg	0.848	0.135	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.088	0.057	1	06/10/24 16:11	06/10/24 19:57	EPA 7471B	1,7471B	DHL
Nickel, Total	6.64		mg/kg	2.12	0.205	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Potassium, Total	492		mg/kg	212	12.2	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.70	0.219	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.424	0.240	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Sodium, Total	83.4	J	mg/kg	170	2.67	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.70	0.267	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Vanadium, Total	10.2		mg/kg	0.848	0.172	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM
Zinc, Total	21.2		mg/kg	4.24	0.248	2	06/11/24 07:45	06/11/24 11:30	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-08
Client ID: FB 2024-06-04
Sample Location: BRONX, NY
Date Collected: 06/04/24 14:15
Date Received: 06/04/24
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	ND		mg/l	0.100	0.0318	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Antimony, Total	ND		mg/l	0.0500	0.0071	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Barium, Total	ND		mg/l	0.0100	0.0021	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Calcium, Total	ND		mg/l	0.100	0.0350	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Chromium, Total	ND		mg/l	0.0100	0.0021	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Copper, Total	ND		mg/l	0.0100	0.0022	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Iron, Total	ND		mg/l	0.0500	0.0090	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Lead, Total	ND		mg/l	0.0100	0.0027	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Magnesium, Total	ND		mg/l	0.100	0.0153	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Manganese, Total	ND		mg/l	0.0100	0.0016	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/07/24 00:48	06/11/24 09:15	EPA 7470A	1,7470A	JWN
Nickel, Total	ND		mg/l	0.0250	0.0024	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Potassium, Total	ND		mg/l	2.50	0.237	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Selenium, Total	ND		mg/l	0.0100	0.0035	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Silver, Total	ND		mg/l	0.0070	0.0028	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Sodium, Total	ND		mg/l	2.00	0.120	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Thallium, Total	ND		mg/l	0.0200	0.0025	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM
Zinc, Total	ND		mg/l	0.0500	0.0021	1	06/06/24 23:33	06/08/24 19:22	EPA 3005A	1,6010D	HJM

Project Name: SA 101 EAST 150TH **Lab Number:** L2430995

Project Number: 41.0163097.00 **Report Date:** 06/11/24

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): 08 Batch: WG1930759-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Antimony, Total	ND		mg/l	0.0500	0.0071	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Barium, Total	ND		mg/l	0.0100	0.0021	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Calcium, Total	ND		mg/l	0.100	0.0350	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Chromium, Total	ND		mg/l	0.0100	0.0021	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Copper, Total	ND		mg/l	0.0100	0.0022	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Iron, Total	ND		mg/l	0.0500	0.0090	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Lead, Total	ND		mg/l	0.0100	0.0027	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Magnesium, Total	ND		mg/l	0.100	0.0153	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Manganese, Total	ND		mg/l	0.0100	0.0016	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Nickel, Total	ND		mg/l	0.0250	0.0024	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Potassium, Total	ND		mg/l	2.50	0.237	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Selenium, Total	ND		mg/l	0.0100	0.0035	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Silver, Total	ND		mg/l	0.0070	0.0028	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Sodium, Total	ND		mg/l	2.00	0.120	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Thallium, Total	ND		mg/l	0.0200	0.0025	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF
Zinc, Total	ND		mg/l	0.0500	0.0021	1	06/06/24 23:33	06/07/24 11:45	1,6010D	JMF

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): 08 Batch: WG1930762-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/07/24 00:48	06/07/24 15:49	1,7470A	DHL

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

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): 01-07 Batch: WG1931346-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Barium, Total	ND		mg/kg	0.400	0.070	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Copper, Total	ND		mg/kg	0.400	0.103	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Iron, Total	0.929	J	mg/kg	2.00	0.361	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Lead, Total	ND		mg/kg	2.00	0.107	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Potassium, Total	ND		mg/kg	100	5.76	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Selenium, Total	0.182	J	mg/kg	0.800	0.103	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Silver, Total	ND		mg/kg	0.200	0.113	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/11/24 07:45	06/11/24 10:39	1,6010D	HJM

Prep Information

Digestion Method: EPA 3050B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2430995
Report Date: 06/11/24

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): 01-07 Batch: WG1931349-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/10/24 16:11	06/10/24 19:06	1,7471B	DHL

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1930759-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	85		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	102		-		80-120	-		
Beryllium, Total	104		-		80-120	-		
Cadmium, Total	101		-		80-120	-		
Calcium, Total	102		-		80-120	-		
Chromium, Total	98		-		80-120	-		
Cobalt, Total	98		-		80-120	-		
Copper, Total	100		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	108		-		80-120	-		
Magnesium, Total	97		-		80-120	-		
Manganese, Total	104		-		80-120	-		
Nickel, Total	99		-		80-120	-		
Potassium, Total	102		-		80-120	-		
Selenium, Total	103		-		80-120	-		
Silver, Total	101		-		80-120	-		
Sodium, Total	105		-		80-120	-		
Thallium, Total	110		-		80-120	-		
Vanadium, Total	100		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1930759-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 08 Batch: WG1930762-2					
Mercury, Total	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1931346-2					
Aluminum, Total	89	-	80-120	-	
Antimony, Total	94	-	80-120	-	
Arsenic, Total	93	-	80-120	-	
Barium, Total	89	-	80-120	-	
Beryllium, Total	91	-	80-120	-	
Cadmium, Total	94	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	90	-	80-120	-	
Cobalt, Total	91	-	80-120	-	
Copper, Total	90	-	80-120	-	
Iron, Total	94	-	80-120	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	96	-	80-120	-	
Manganese, Total	91	-	80-120	-	
Nickel, Total	92	-	80-120	-	
Potassium, Total	96	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	93	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	90	-	80-120	-	
Vanadium, Total	91	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1931346-2					
Zinc, Total	93	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-07 Batch: WG1931349-2					
Mercury, Total	103	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

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): 08 QC Batch ID: WG1930759-3 QC Sample: L2430116-01 Client ID: MS Sample												
Aluminum, Total	0.499	2	2.22	86		-	-		75-125	-		20
Antimony, Total	ND	0.5	0.468	94		-	-		75-125	-		20
Arsenic, Total	ND	0.12	0.117	98		-	-		75-125	-		20
Barium, Total	0.0053J	2	1.74	87		-	-		75-125	-		20
Beryllium, Total	ND	0.05	0.0448	90		-	-		75-125	-		20
Cadmium, Total	ND	0.053	0.0499	94		-	-		75-125	-		20
Calcium, Total	28.2	10	35.5	**73**	Q	-	-		75-125	-		20
Chromium, Total	ND	0.2	0.185	92		-	-		75-125	-		20
Cobalt, Total	ND	0.5	0.459	92		-	-		75-125	-		20
Copper, Total	0.018	0.25	0.256	95		-	-		75-125	-		20
Iron, Total	0.276	1	1.10	82		-	-		75-125	-		20
Lead, Total	ND	0.53	0.488	92		-	-		75-125	-		20
Magnesium, Total	6.68	10	15.3	86		-	-		75-125	-		20
Manganese, Total	0.035	0.5	0.469	87		-	-		75-125	-		20
Nickel, Total	0.003J	0.5	0.464	93		-	-		75-125	-		20
Potassium, Total	53.2	10	60.9	77		-	-		75-125	-		20
Selenium, Total	ND	0.12	0.117	98		-	-		75-125	-		20
Silver, Total	ND	0.05	0.0483	97		-	-		75-125	-		20
Sodium, Total	117	10	120	**30**	Q	-	-		75-125	-		20
Thallium, Total	ND	0.12	0.112	93		-	-		75-125	-		20
Vanadium, Total	ND	0.5	0.477	95		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

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): 08 QC Batch ID: WG1930759-3 QC Sample: L2430116-01 Client ID: MS Sample									
Zinc, Total	0.079	0.5	0.552	94	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1930762-3 QC Sample: L2430116-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00475	95	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

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): 01-07 QC Batch ID: WG1931346-3 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)										
Aluminum, Total	5240	168	5950	**421**	Q	-	-	75-125	-	20
Antimony, Total	0.435J	42.1	34.7	82		-	-	75-125	-	20
Arsenic, Total	2.60	10.1	11.4	87		-	-	75-125	-	20
Barium, Total	28.4	168	170	84		-	-	75-125	-	20
Beryllium, Total	0.289J	4.21	3.89	92		-	-	75-125	-	20
Cadmium, Total	ND	4.47	3.88	87		-	-	75-125	-	20
Calcium, Total	16200	843	4980	**0**	Q	-	-	75-125	-	20
Chromium, Total	9.39	16.8	24.6	90		-	-	75-125	-	20
Cobalt, Total	3.88	42.1	38.2	81		-	-	75-125	-	20
Copper, Total	13.1	21.1	29.3	77		-	-	75-125	-	20
Iron, Total	10100	84.3	9650	**0**	Q	-	-	75-125	-	20
Lead, Total	18.0	44.7	59.1	92		-	-	75-125	-	20
Magnesium, Total	8860	843	2760	**0**	Q	-	-	75-125	-	20
Manganese, Total	274	42.1	306	76		-	-	75-125	-	20
Nickel, Total	7.60	42.1	42.9	84		-	-	75-125	-	20
Potassium, Total	529	843	1340	96		-	-	75-125	-	20
Selenium, Total	ND	10.1	8.67	86		-	-	75-125	-	20
Silver, Total	ND	4.21	3.82	91		-	-	75-125	-	20
Sodium, Total	161J	843	932	110		-	-	75-125	-	20
Thallium, Total	ND	10.1	8.54	84		-	-	75-125	-	20
Vanadium, Total	11.6	42.1	48.0	86		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

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): 01-07 QC Batch ID: WG1931346-3 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)									
Zinc, Total	31.8	42.1	79.6	113	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1931349-3 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)									
Mercury, Total	0.076	1.72	1.86	104	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1930759-4 QC Sample: L2430116-01 Client ID: DUP Sample						
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	0.0053J	0.0051J	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 08 QC Batch ID: WG1930762-4 QC Sample: L2430116-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1931346-4 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)						
Aluminum, Total	5240	5840	mg/kg	11		20
Antimony, Total	0.435J	0.498J	mg/kg	NC		20
Arsenic, Total	2.60	3.02	mg/kg	15		20
Barium, Total	28.4	32.1	mg/kg	12		20
Beryllium, Total	0.289J	0.358J	mg/kg	NC		20
Cadmium, Total	ND	0.196J	mg/kg	NC		20
Calcium, Total	16200	3900	mg/kg	**122**	Q	20
Chromium, Total	9.39	11.1	mg/kg	17		20
Cobalt, Total	3.88	3.85	mg/kg	1		20
Copper, Total	13.1	14.7	mg/kg	12		20
Iron, Total	10100	10200	mg/kg	1		20
Lead, Total	18.0	25.4	mg/kg	**34**	Q	20
Magnesium, Total	8860	2090	mg/kg	**124**	Q	20
Manganese, Total	274	287	mg/kg	5		20
Nickel, Total	7.60	9.05	mg/kg	17		20
Potassium, Total	529	576	mg/kg	9		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	161J	174	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1931346-4 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	11.6	12.4	mg/kg	7		20
Zinc, Total	31.8	42.9	mg/kg	**30**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01-07 QC Batch ID: WG1931349-4 QC Sample: L2430995-01 Client ID: EP-67 (5.5' BGS)						
Mercury, Total	0.076	0.080J	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-01
Client ID: EP-67 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:30
Date Received: 06/04/24
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	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-02
Client ID: EP-65 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 10:55
Date Received: 06/04/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.7		%	0.100	NA	1	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-03
Client ID: EP-69 (6' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:10
Date Received: 06/04/24
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	80.7		%	0.100	NA	1	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-04
Client ID: EP-66 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:25
Date Received: 06/04/24
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	91.4		%	0.100	NA	1	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-05
Client ID: EP-68 (5.5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 11:40
Date Received: 06/04/24
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	89.9		%	0.100	NA	1	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-06
Client ID: EP-43 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 12:20
Date Received: 06/04/24
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	80.5		%	0.100	NA	1	-	06/06/24 01:38	121,2540G	WJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

SAMPLE RESULTS

Lab ID: L2430995-07
Client ID: EP-47 (5' BGS)
Sample Location: BRONX, NY

Date Collected: 06/04/24 13:45
Date Received: 06/04/24
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	-	06/06/24 01:38	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2430995

Report Date: 06/11/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1930318-1 QC Sample: L2430793-01 Client ID: DUP Sample						
Solids, Total	86.3	86.4	%	0		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

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(*)
L2430995-01A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2430995-01B	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-01C	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-01D	Plastic 120ml unpreserved	B	NA		3.5	Y	Absent		TS(7)
L2430995-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	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),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2430995-01F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-02A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2430995-02B	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-02C	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-02D	Plastic 120ml unpreserved	B	NA		3.5	Y	Absent		TS(7)
L2430995-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	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),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),K-TI(180),CD-TI(180),CA-TI(180)
L2430995-02F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-03A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2430995-03B	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-03C	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-03D	Plastic 120ml unpreserved	A	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430995-03E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	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),ZN-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2430995-03F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-04A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2430995-04B	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-04C	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-04D	Plastic 120ml unpreserved	B	NA		3.5	Y	Absent		TS(7)
L2430995-04E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	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),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),K-TI(180),CD-TI(180),NA-TI(180),CA-TI(180)
L2430995-04F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-05A	Vial MeOH preserved	B	NA		3.5	Y	Absent		NYTCL-8260HLW(14)
L2430995-05B	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-05C	Vial water preserved	B	NA		3.5	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-05D	Plastic 120ml unpreserved	B	NA		3.5	Y	Absent		TS(7)
L2430995-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.5	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),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2430995-05F	Glass 250ml/8oz unpreserved	B	NA		3.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2430995-06B	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-06C	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-06D	Plastic 120ml unpreserved	A	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430995-06E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2430995-06F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-07A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2430995-07B	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-07C	Vial water preserved	A	NA		2.6	Y	Absent	05-JUN-24 18:12	NYTCL-8260HLW(14)
L2430995-07D	Plastic 120ml unpreserved	A	NA		2.6	Y	Absent		TS(7)
L2430995-07E	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2430995-07F	Glass 250ml/8oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2430995-08A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2430995-08B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2430995-08C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L2430995-08D	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2430995-08E	Amber 100ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2430995-08F	Amber 100ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2430995-08G	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2430995-08H	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(365)
L2430995-08I	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2430995-08J	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L2430995-08K	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2430995-08L	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2430995
Report Date: 06/11/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2430995-09A	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)
L2430995-09B	Vial HCl preserved	B	NA		3.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2430995
Project Number:	41.0163097.00	**Report Date:**	06/11/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2430995
Project Number:	41.0163097.00	**Report Date:**	06/11/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2430995
Project Number:	41.0163097.00	**Report Date:**	06/11/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2430995
Project Number:	41.0163097.00	**Report Date:**	06/11/24

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 YORK CHAIN OF CUSTODY

ALPHA

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TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
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Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 6/5/24

ALPHA Job #: L2430995

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides / PCBs 8081B / 8082A	1,4-Dioxane				Sample Specific Comments	Total Bottle
30995-01	EP-67 (5.5' bgs)	6/4/24	10:30	S	JN	X	X	X	X	X					
02	EP-65 (5.5' bgs)		10:55												
03	EP-69 (6' bgs)		11:10												
04	EP-66 (5.5' bgs)		11:25												
05	EP-68 (5.5' bgs)		11:40												
06	EP-43 (5' bgs)		12:20												
07	EP-47 (5' bgs)		13:45												
08	FB 2024-06-04		14:15	W											
09	TB 2024-06-04		-	W											

Container Type	V	A	A	A				
Preservative		A	A	A				

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	6/4/2024 17:24	SSmz Pace	6-4-24 1724
SSmz Pace	6-4-24 1951		6/4/24 19:15
	6/4/24		EA 2200
	6/5 1200		6/5/24 0120

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:	L2431297
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	06/25/24

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).

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

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2431297-01	EP-46 (5'BGS)	SOIL	BRONX, NY	06/05/24 10:15	06/05/24
L2431297-02	EP-55 (5'BGS)	SOIL	BRONX, NY	06/05/24 10:35	06/05/24
L2431297-03	EP-51 (5'BGS)	SOIL	BRONX, NY	06/05/24 11:00	06/05/24
L2431297-04	EP-54 (5'BGS)	SOIL	BRONX, NY	06/05/24 13:10	06/05/24
L2431297-05	EP-50 (5'BGS)	SOIL	BRONX, NY	06/05/24 13:50	06/05/24
L2431297-06	FD-4 2024-06-05 (5'BGS)	SOIL	BRONX, NY	06/05/24 00:00	06/05/24
L2431297-07	FB 2024-06-05	WATER	BRONX, NY	06/05/24 12:30	06/05/24
L2431297-08	FB PFAS 2024-06-05	WATER	BRONX, NY	06/05/24 14:00	06/05/24
L2431297-09	TB 2024-06-05	WATER	BRONX, NY	06/05/24 00:00	06/05/24

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

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

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

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

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

Case Narrative (continued)

Report Submission

June 25, 2024: This final report includes the results of all requested analyses.

June 13, 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.

Volatile Organics

The WG1932171-5 Method Blank, associated with L2431297-01 through -06, has a concentration above the reporting limit for bromomethane. Since the associated sample concentrations are either greater than 10x the blank concentration or non-detect to the RL for this target analyte, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

Semivolatile Organics

The WG1933313-2/-3 LCS/LCSD recoveries, associated with L2431297-07, are below the acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The result of the associated sample are reported.

The WG1931642-4/-5 MS/MSD recovery, performed on L2431297-02, is below the acceptance criteria for benzoic acid (0%/0%) due to the concentration of this compound in the MS/MSD falling below the reported detection limit.

Semivolatile Organics by SIM

L2431297-07: The Field Blank has a concentration above the reporting limit for Naphthalene. The sample was re-extracted with the method required holding time exceeded and was non-detect for this target compound. The results of both extractions are reported.

Perfluorinated Alkyl Acids by 1633

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

Case Narrative (continued)

L2431297-08R, WG1936262-2R and WG1936262-3R: The sample was re-analyzed to confirm the original analysis. The results of the re-analysis are reported.
The L2431297-08R Method Blank, associated with WG1936262-1, has a concentration above the reporting limit for 6:2FTS; however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analysis are reported and are qualified with a "B" for any associated sample concentrations that are less than 10x the blank concentration for this analyte.
The WG1936262-2R LCS recovery, associated with L2431297-08R, was above the acceptance criteria for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts) (167%); however, re-extraction could not be performed due to lack of additional sample. The results of the original analysis are reported; however, any positive detect for this compound is considered to have a potentially high bias.
The WG1936262-2R LCS recovery, associated with L2431297-08R, was below the acceptance criteria for 3-perfluoroheptyl propanoic acid (7:3ftca) (36%); however, the criteria was achieved upon re-extraction outside of holding time. The results of both extractions are reported. The original result for this compound is considered to have a potentially low bias.
WG1937199-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

Total Metals
L2431297-01 through -06: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.
The WG1932719-3/-4 MS/MSD recoveries for aluminum (848%/662%), iron (865%/864%), and manganese (MSD at 41%), performed on L2431297-02, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1932719-3/-4 MS/MSD recoveries, performed on L2431297-02, are outside the acceptance criteria for calcium (137%/130%). A post digestion spike was performed and was within acceptance criteria.
The WG1932719-3/-4 MS/MSD RPD for arsenic (24%), performed on L2431297-02, 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: Cristin Walker

Title: Technical Director/Representative Date: 06/25/24

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:15
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 11:34
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	2.0		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	1.4		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01 Date Collected: 06/05/24 10:15

Client ID: EP-46 (5'BGS) Date Received: 06/05/24

Sample Location: 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	1.4		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.42	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.42	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	13		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	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	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	1.1	J	ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:15
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	1.1	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	2.5		ug/kg	2.1	0.18	1
p-Ethyltoluene	0.63	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	0.88	J	ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Tentatively Identified Compounds						
Total TIC Compounds	46.5	J	ug/kg			1
Unknown Naphthalene	3.94	J	ug/kg			1
Unknown	2.53	J	ug/kg			1
Cyclopentane	5.75	NJ	ug/kg			1
3-Phenylbut-1-ene	4.14	NJ	ug/kg			1
Unknown	4.92	J	ug/kg			1
Unknown	3.79	J	ug/kg			1
Unknown	11.0	J	ug/kg			1
Unknown Aromatic	2.51	J	ug/kg			1
Unknown Naphthalene	4.49	J	ug/kg			1
Unknown Aromatic	3.43	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	92		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 14:17
Analyst: JIC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	2.0	1
1,1-Dichloroethane	0.17	J	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	3.2		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	0.26	J	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	0.57	JB	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02 Date Collected: 06/05/24 10:35

Client ID: EP-55 (5'BGS) Date Received: 06/05/24

Sample Location: 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	1.4		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	0.23	J	ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.23	J	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	4.2	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	0.13	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:35
Date Received: 06/05/24
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	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						
Total TIC Compounds	125	J	ug/kg			1
Cyclopentane	115	NJ	ug/kg			1
Unknown	10.0	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	97		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 11:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 14:44
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	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	1.0		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03 Date Collected: 06/05/24 11:00

Client ID: EP-51 (5'BGS) Date Received: 06/05/24

Sample Location: 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	2.3		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	0.42	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.42	J	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	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	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	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	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	4.0	0.65	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 11:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	80	35.	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	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	45.1	J	ug/kg			1
Unknown	10.4	J	ug/kg			1
Unknown	34.7	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 15:11
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	5.8	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	0.68		ug/kg	0.58	0.23	1
Chlorobenzene	ND		ug/kg	0.58	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.81	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.58	0.20	1
Bromodichloromethane	ND		ug/kg	0.58	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.58	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.58	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.58	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.58	0.19	1
Benzene	ND		ug/kg	0.58	0.19	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.16	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.3	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.3	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04 Date Collected: 06/05/24 13:10

Client ID: EP-54 (5'BGS) Date Received: 06/05/24

Sample Location: 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	1.2		ug/kg	0.58	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.3	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.3	0.24	1
p/m-Xylene	ND		ug/kg	2.3	0.66	1
o-Xylene	ND		ug/kg	1.2	0.34	1
Xylenes, Total	ND		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.20	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.3	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	14		ug/kg	12	5.6	1
Carbon disulfide	ND		ug/kg	12	5.3	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.3	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.3	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.3	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.3	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.58	0.15	1
Bromobenzene	ND		ug/kg	2.3	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.3	0.14	1
o-Chlorotoluene	ND		ug/kg	2.3	0.22	1
p-Chlorotoluene	ND		ug/kg	2.3	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	ND		ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.3	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:10
Date Received: 06/05/24
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	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.3	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.3	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.3	0.21	1
p-Ethyltoluene	ND		ug/kg	2.3	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.3	0.22	1
Ethyl ether	ND		ug/kg	2.3	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.8	1.7	1
Tentatively Identified Compounds						
Total TIC Compounds	12.8	J	ug/kg			1
Unknown	12.8	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	99		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 15:39
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	4.9	2.2	1
1,1-Dichloroethane	0.49	J	ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	0.57		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.25	1
1,1,1-Trichloroethane	0.94		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.16	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	0.16	J	ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	3.9	0.92	1
Bromomethane	ND		ug/kg	2.0	0.57	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.44	1
1,1-Dichloroethene	0.25	J	ug/kg	0.99	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05 Date Collected: 06/05/24 13:50

Client ID: EP-50 (5'BGS) Date Received: 06/05/24

Sample Location: 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	7.5		ug/kg	0.49	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.55	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	2.4		ug/kg	0.99	0.17	1
1,2-Dichloroethene, Total	2.4		ug/kg	0.99	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.23	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.90	1
Acetone	45		ug/kg	9.9	4.7	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.12	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	ND		ug/kg	0.99	0.16	1
sec-Butylbenzene	ND		ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.98	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.17	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	3.9	0.64	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05 Date Collected: 06/05/24 13:50

Client ID: EP-50 (5'BGS) Date Received: 06/05/24

Sample Location: 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	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.17	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	40.7	J	ug/kg			1
Unknown Naphthalene	3.15	J	ug/kg			1
Unknown Naphthalene	4.44	J	ug/kg			1
Unknown	2.56	J	ug/kg			1
Unknown	2.06	J	ug/kg			1
Unknown	11.0	J	ug/kg			1
Unknown Naphthalene	3.40	J	ug/kg			1
Unknown	3.65	J	ug/kg			1
Unknown Naphthalene	4.18	J	ug/kg			1
Unknown	3.66	J	ug/kg			1
Unknown	2.57	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	96		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 06/10/24 16:06
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	4.5	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	1.1		ug/kg	0.45	0.18	1
Chlorobenzene	ND		ug/kg	0.45	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	1
1,2-Dichloroethane	ND		ug/kg	0.91	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	0.91	0.25	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	0.91	0.49	1
Ethylbenzene	0.26	J	ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.84	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.30	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06 Date Collected: 06/05/24 00:00

Client ID: FD-4 2024-06-05 (5'BGS) Date Received: 06/05/24

Sample Location: 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	1.6		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	0.51	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	0.21	J	ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	0.21	J	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	0.83	1
Acetone	ND		ug/kg	9.1	4.4	1
Carbon disulfide	ND		ug/kg	9.1	4.1	1
2-Butanone	ND		ug/kg	9.1	2.0	1
Vinyl acetate	ND		ug/kg	9.1	1.9	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	0.18	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	0.45	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	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.91	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.91	0.10	1
Naphthalene	35		ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06 Date Collected: 06/05/24 00:00

Client ID: FD-4 2024-06-05 (5'BGS) Date Received: 06/05/24

Sample Location: 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	0.15	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	0.17	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	0.35	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	4.5	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	161	J	ug/kg			1
Cyclopentane	147	NJ	ug/kg			1
Unknown	4.01	J	ug/kg			1
Unknown	9.61	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	95		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/24 15:13
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07 Date Collected: 06/05/24 12:30

Client ID: FB 2024-06-05 Date Received: 06/05/24

Sample Location: 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	3.5	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY
Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-09
Client ID: TB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/10/24 15:39
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-09 Date Collected: 06/05/24 00:00

Client ID: TB 2024-06-05 Date Received: 06/05/24

Sample Location: 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-09
Client ID: TB 2024-06-05
Sample Location: BRONX, NY
Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1932171-5					
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	3.0		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1932171-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1932171-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Tentatively Identified Compounds			
Total TIC Compounds	12.3	J	ug/kg
Unknown	2.59	J	ug/kg
Unknown	9.66	J	ug/kg

Project Name: SA 101 EAST 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:49
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-06 Batch: WG1932171-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	91		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1932444-5					
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: SA 101 EAST 150TH
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Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1932444-5					
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

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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1932444-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 EAST 150TH
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/10/24 08:27
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07,09 Batch: WG1932444-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2431297

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1932171-3 WG1932171-4								
Methylene chloride	99		100		70-130	1		30
1,1-Dichloroethane	97		95		70-130	2		30
Chloroform	96		95		70-130	1		30
Carbon tetrachloride	94		91		70-130	3		30
1,2-Dichloropropane	98		99		70-130	1		30
Dibromochloromethane	92		92		70-130	0		30
1,1,2-Trichloroethane	105		106		70-130	1		30
Tetrachloroethene	95		90		70-130	5		30
Chlorobenzene	100		100		70-130	0		30
Trichlorofluoromethane	112		110		70-139	2		30
1,2-Dichloroethane	95		98		70-130	3		30
1,1,1-Trichloroethane	100		97		70-130	3		30
Bromodichloromethane	92		95		70-130	3		30
trans-1,3-Dichloropropene	111		113		70-130	2		30
cis-1,3-Dichloropropene	100		102		70-130	2		30
1,1-Dichloropropene	98		97		70-130	1		30
Bromoform	90		89		70-130	1		30
1,1,2,2-Tetrachloroethane	106		106		70-130	0		30
Benzene	99		98		70-130	1		30
Toluene	101		98		70-130	3		30
Ethylbenzene	105		104		70-130	1		30
Chloromethane	93		88		52-130	6		30
Bromomethane	94		94		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
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Lab Number: L2431297
Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1932171-3 WG1932171-4								
Vinyl chloride	103		100		67-130	3		30
Chloroethane	113		112		50-151	1		30
1,1-Dichloroethene	106		104		65-135	2		30
trans-1,2-Dichloroethene	121		120		70-130	1		30
Trichloroethene	101		104		70-130	3		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	103		102		70-130	1		30
1,4-Dichlorobenzene	102		99		70-130	3		30
Methyl tert butyl ether	115		**142**	Q	66-130	21		30
p/m-Xylene	102		103		70-130	1		30
o-Xylene	99		102		70-130	3		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Dibromomethane	94		97		70-130	3		30
Styrene	103		106		70-130	3		30
Dichlorodifluoromethane	88		81		30-146	8		30
Acetone	110		110		54-140	0		30
Carbon disulfide	102		99		59-130	3		30
2-Butanone	97		100		70-130	3		30
Vinyl acetate	101		95		70-130	6		30
4-Methyl-2-pentanone	111		112		70-130	1		30
1,2,3-Trichloropropane	105		110		68-130	5		30
2-Hexanone	110		118		70-130	7		30
Bromochloromethane	87		81		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1932171-3 WG1932171-4								
2,2-Dichloropropane	104		102		70-130	2		30
1,2-Dibromoethane	101		102		70-130	1		30
1,3-Dichloropropane	106		106		69-130	0		30
1,1,1,2-Tetrachloroethane	97		98		70-130	1		30
Bromobenzene	97		93		70-130	4		30
n-Butylbenzene	115		114		70-130	1		30
sec-Butylbenzene	107		106		70-130	1		30
tert-Butylbenzene	103		102		70-130	1		30
o-Chlorotoluene	110		108		70-130	2		30
p-Chlorotoluene	109		107		70-130	2		30
1,2-Dibromo-3-chloropropane	92		92		68-130	0		30
Hexachlorobutadiene	84		79		67-130	6		30
Isopropylbenzene	108		105		70-130	3		30
p-Isopropyltoluene	105		104		70-130	1		30
Naphthalene	100		101		70-130	1		30
Acrylonitrile	97		95		70-130	2		30
n-Propylbenzene	112		110		70-130	2		30
1,2,3-Trichlorobenzene	93		90		70-130	3		30
1,2,4-Trichlorobenzene	98		94		70-130	4		30
1,3,5-Trimethylbenzene	105		105		70-130	0		30
1,2,4-Trimethylbenzene	106		105		70-130	1		30
1,4-Dioxane	101		106		65-136	5		30
p-Diethylbenzene	107		107		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 Batch: WG1932171-3 WG1932171-4								
p-Ethyltoluene	107		105		70-130	2		30
1,2,4,5-Tetramethylbenzene	104		101		70-130	3		30
Ethyl ether	107		103		67-130	4		30
trans-1,4-Dichloro-2-butene	123		125		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		102		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	107		106		70-130
Dibromofluoromethane	94		91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1932444-3 WG1932444-4								
Methylene chloride	99		100		70-130	1		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	98		96		63-132	2		20
1,2-Dichloropropane	100		100		70-130	0		20
Dibromochloromethane	86		89		63-130	3		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	99		97		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		99		67-130	1		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	97		98		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	71		77		54-136	8		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	110		100		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	95		92		64-130	3		20
Bromomethane	120		120		39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

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Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1932444-3 WG1932444-4								
Vinyl chloride	120		110		55-140	9		20
Chloroethane	**140**	Q	**140**	Q	55-138	0		20
1,1-Dichloroethene	120		120		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	100		99		70-130	1		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		100		70-130	0		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		100		63-130	8		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	97		100		70-130	3		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		99		36-147	1		20
Acetone	100		110		58-148	10		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	98		100		63-138	2		20
Vinyl acetate	100		100		70-130	0		20
4-Methyl-2-pentanone	92		100		59-130	8		20
2-Hexanone	92		100		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1932444-3 WG1932444-4								
Bromochloromethane	97		98		70-130	1		20
2,2-Dichloropropane	100		100		63-133	0		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	93		94		64-130	1		20
Bromobenzene	96		96		70-130	0		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	84		94		41-144	11		20
Hexachlorobutadiene	85		86		63-130	1		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	92		100		70-130	8		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	94		100		70-130	6		20
1,2,4-Trichlorobenzene	94		95		70-130	1		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	102		106		56-162	4		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
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Lab Number: L2431297
Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07,09 Batch: WG1932444-3 WG1932444-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	95		96		70-130	1		20
Ethyl ether	110		120		59-134	9		20
trans-1,4-Dichloro-2-butene	94		100		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		111		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	100		98		70-130
Dibromofluoromethane	98		99		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1932171-13 WG1932171-14 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
Methylene chloride	ND	95.6	61	**64**	Q	65	73		70-130	5		30
1,1-Dichloroethane	0.17J	95.6	68	71		71	80		70-130	3		30
Chloroform	ND	95.6	59	**62**	Q	63	71		70-130	6		30
Carbon tetrachloride	ND	95.6	65	**68**	Q	68	77		70-130	4		30
1,2-Dichloropropane	ND	95.6	60	**63**	Q	65	73		70-130	7		30
Dibromochloromethane	ND	95.6	42	**43**	Q	48	**54**	Q	70-130	14		30
1,1,2-Trichloroethane	ND	95.6	54	**56**	Q	62	70		70-130	14		30
Tetrachloroethene	3.2	95.6	45	**44**	Q	49	**51**	Q	70-130	8		30
Chlorobenzene	ND	95.6	28	**29**	Q	34	**38**	Q	70-130	20		30
Trichlorofluoromethane	ND	95.6	96	100		100	114		70-139	6		30
1,2-Dichloroethane	ND	95.6	49	**52**	Q	55	**62**	Q	70-130	10		30
1,1,1-Trichloroethane	0.26J	95.6	72	75		75	84		70-130	5		30
Bromodichloromethane	ND	95.6	49	**51**	Q	55	**62**	Q	70-130	11		30
trans-1,3-Dichloropropene	ND	95.6	28	**29**	Q	34	**38**	Q	70-130	20		30
cis-1,3-Dichloropropene	ND	95.6	34	**36**	Q	39	**44**	Q	70-130	12		30
1,1-Dichloropropene	ND	95.6	55	**57**	Q	60	**67**	Q	70-130	9		30
Bromoform	ND	95.6	36	**38**	Q	42	**48**	Q	70-130	16		30
1,1,2,2-Tetrachloroethane	ND	95.6	54	**57**	Q	58	**66**	Q	70-130	7		30
Benzene	ND	95.6	58	**61**	Q	63	71		70-130	8		30
Toluene	ND	95.6	42	**44**	Q	50	**56**	Q	70-130	17		30
Ethylbenzene	ND	95.6	32	**34**	Q	40	**45**	Q	70-130	21		30
Chloromethane	ND	95.6	77	80		75	84		52-130	3		30
Bromomethane	0.57JB	95.6	70	73		80	90		57-147	13		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1932171-13 WG1932171-14 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
Vinyl chloride	ND	95.6	85	89		87	98		67-130	2		30
Chloroethane	ND	95.6	94	98		100	115		50-151	8		30
1,1-Dichloroethene	ND	95.6	76	80		81	91		65-135	6		30
trans-1,2-Dichloroethene	ND	95.6	63	**66**	Q	71	81		70-130	12		30
Trichloroethene	1.4	95.6	48	**49**	Q	55	**60**	Q	70-130	12		30
1,2-Dichlorobenzene	ND	95.6	17	**18**	Q	22	**25**	Q	70-130	24		30
1,3-Dichlorobenzene	ND	95.6	15	**15**	Q	19	**22**	Q	70-130	26		30
1,4-Dichlorobenzene	ND	95.6	13	**13**	Q	17	**19**	Q	70-130	29		30
Methyl tert butyl ether	ND	95.6	57	**60**	Q	78	88		66-130	**31**	Q	30
p/m-Xylene	ND	191	57	**30**	Q	71	**40**	Q	70-130	21		30
o-Xylene	ND	191	66	**34**	Q	79	**45**	Q	70-130	19		30
cis-1,2-Dichloroethene	0.23J	95.6	47	**49**	Q	51	**57**	Q	70-130	8		30
Dibromomethane	ND	95.6	40	**42**	Q	44	**50**	Q	70-130	11		30
Styrene	ND	191	44	**23**	Q	58	**33**	Q	70-130	27		30
Dichlorodifluoromethane	ND	95.6	75	78		75	84		30-146	0		30
Acetone	ND	95.6	77	81		76	85		54-140	2		30
Carbon disulfide	ND	95.6	60	62		66	74		59-130	10		30
2-Butanone	ND	95.6	56	**59**	Q	61	**69**	Q	70-130	8		30
Vinyl acetate	ND	95.6	13	**14**	Q	13	**15**	Q	70-130	2		30
4-Methyl-2-pentanone	ND	95.6	64	**67**	Q	69	78		70-130	7		30
1,2,3-Trichloropropane	ND	95.6	53	**55**	Q	61	69		68-130	14		30
2-Hexanone	ND	95.6	52	**55**	Q	60	**68**	Q	70-130	14		30
Bromochloromethane	ND	95.6	44	**46**	Q	46	**52**	Q	70-130	4		30

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1932171-13 WG1932171-14 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
2,2-Dichloropropane	ND	95.6	73	76		75	85		70-130	3		30
1,2-Dibromoethane	ND	95.6	34	**35**	Q	40	**45**	Q	70-130	18		30
1,3-Dichloropropane	ND	95.6	46	**48**	Q	54	**61**	Q	69-130	15		30
1,1,1,2-Tetrachloroethane	ND	95.6	47	**50**	Q	54	**60**	Q	70-130	12		30
Bromobenzene	ND	95.6	20	**21**	Q	25	**28**	Q	70-130	21		30
n-Butylbenzene	ND	95.6	13	**14**	Q	19	**22**	Q	70-130	**37**	Q	30
sec-Butylbenzene	ND	95.6	23	**24**	Q	30	**34**	Q	70-130	25		30
tert-Butylbenzene	ND	95.6	29	**30**	Q	35	**40**	Q	70-130	20		30
o-Chlorotoluene	ND	95.6	26	**28**	Q	33	**37**	Q	70-130	22		30
p-Chlorotoluene	ND	95.6	18	**19**	Q	24	**27**	Q	70-130	29		30
1,2-Dibromo-3-chloropropane	ND	95.6	39	**41**	Q	44	**49**	Q	68-130	11		30
Hexachlorobutadiene	ND	95.6	8.3	**9**	Q	12	**13**	Q	67-130	**35**	Q	30
Isopropylbenzene	ND	95.6	33	**34**	Q	40	**46**	Q	70-130	20		30
p-Isopropyltoluene	ND	95.6	19	**19**	Q	25	**28**	Q	70-130	28		30
Naphthalene	ND	95.6	15	**16**	Q	19	**22**	Q	70-130	24		30
Acrylonitrile	ND	95.6	55	**58**	Q	58	**66**	Q	70-130	5		30
n-Propylbenzene	ND	95.6	24	**25**	Q	31	**35**	Q	70-130	26		30
1,2,3-Trichlorobenzene	ND	95.6	9.0	**9**	Q	12	**14**	Q	70-130	29		30
1,2,4-Trichlorobenzene	ND	95.6	7.4	**8**	Q	11	**12**	Q	70-130	**35**	Q	30
1,3,5-Trimethylbenzene	ND	95.6	26	**28**	Q	32	**36**	Q	70-130	20		30
1,2,4-Trimethylbenzene	ND	95.6	22	**23**	Q	29	**32**	Q	70-130	24		30
1,4-Dioxane	ND	4780	4300	91		4000	90		65-136	8		30
p-Diethylbenzene	ND	95.6	14	**14**	Q	19	**22**	Q	70-130	**34**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1932171-13 WG1932171-14 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
p-Ethyltoluene	ND	95.6	21	**21**	Q	27	**30**	Q	70-130	26		30
1,2,4,5-Tetramethylbenzene	ND	95.6	16	**16**	Q	21	**23**	Q	70-130	27		30
Ethyl ether	ND	95.6	69	72		73	82		67-130	5		30
trans-1,4-Dichloro-2-butene	ND	95.6	24	**25**	Q	30	**34**	Q	70-130	22		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		104		70-130
4-Bromofluorobenzene	110		110		70-130
Dibromofluoromethane	94		90		70-130
Toluene-d8	105		105		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:15
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 05:31
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	49	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	370		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	42	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01 Date Collected: 06/05/24 10:15

Client ID: EP-46 (5'BGS) Date Received: 06/05/24

Sample Location: 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	21.	1
Benzo(a)pyrene	160		ug/kg	150	45.	1
Benzo(b)fluoranthene	190		ug/kg	110	31.	1
Benzo(k)fluoranthene	64	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	74	J	ug/kg	110	36.	1
Benzo(ghi)perylene	100	J	ug/kg	150	22.	1
Fluorene	40	J	ug/kg	180	18.	1
Phenanthrene	290		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	96	J	ug/kg	150	26.	1
Pyrene	300		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	30	J	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:15
Date Received: 06/05/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	43	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	202	J	ug/kg			1
Unknown Organic Acid	202	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	73		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 05:08
Analyst: SZ
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

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	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	170		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	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	73	J	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02 Date Collected: 06/05/24 10:35

Client ID: EP-55 (5'BGS) Date Received: 06/05/24

Sample Location: 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	89	J	ug/kg	110	21.	1
Benzo(a)pyrene	86	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	100	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	33	J	ug/kg	110	30.	1
Chrysene	83	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	55	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	120		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	53	J	ug/kg	150	26.	1
Pyrene	160		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	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	ND		ug/kg	260	29.	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:35
Date Received: 06/05/24
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	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	68		25-120
Phenol-d6	67		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 11:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 03:34
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

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	100	J	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	72	J	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03 Date Collected: 06/05/24 11:00

Client ID: EP-51 (5'BGS) Date Received: 06/05/24

Sample Location: 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	54	J	ug/kg	110	20.	1
Benzo(a)pyrene	54	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	65	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	48	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	36	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	74	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	33	J	ug/kg	140	25.	1
Pyrene	94	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	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 11:00
Date Received: 06/05/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	580	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	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	75		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 02:24
Analyst: SZ
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	47	J	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	280		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	37	J	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04 Date Collected: 06/05/24 13:10

Client ID: EP-54 (5'BGS) Date Received: 06/05/24

Sample Location: 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	120		ug/kg	110	21.	1
Benzo(a)pyrene	120	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	140		ug/kg	110	31.	1
Benzo(k)fluoranthene	40	J	ug/kg	110	30.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	64	J	ug/kg	110	36.	1
Benzo(ghi)perylene	69	J	ug/kg	150	22.	1
Fluorene	33	J	ug/kg	180	18.	1
Phenanthrene	240		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	67	J	ug/kg	150	26.	1
Pyrene	220		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	23	J	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:10
Date Received: 06/05/24
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	180	36.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	57.	1
Carbazole	32	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	87		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	82		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 06/21/24 12:26
Analyst: JW
Percent Solids: 90%

Extraction Method: EPA 1633
Extraction Date: 06/20/24 16:03
Cleanup Method: EPA 1633
Cleanup Date: 06/20/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.796	0.050	1
Perfluoropentanoic Acid (PFPeA)	0.142	J	ng/g	0.398	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	0.050	J	ng/g	0.199	0.043	1
Perfluorohexanoic Acid (PFHxA)	0.077	J	ng/g	0.199	0.046	1
Perfluoroheptanoic Acid (PFHpA)	0.091	J	ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	0.074	J	ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	0.293		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.288	J	ng/g	0.796	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.058	J	ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	0.107	J	ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.124	J	ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.385	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
PFOA/PFOS, Total	0.417	J	ng/g	0.199	0.052	1

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	77		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	86		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	80		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	68		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	100		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	78		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	70		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	142		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	65		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	67		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	53		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 06:42
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	18	J	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	47.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	220		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	64	J	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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05 Date Collected: 06/05/24 13:50

Client ID: EP-50 (5'BGS) Date Received: 06/05/24

Sample Location: 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	100	J	ug/kg	110	20.	1
Benzo(a)pyrene	100	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	130		ug/kg	110	30.	1
Benzo(k)fluoranthene	44	J	ug/kg	110	28.	1
Chrysene	100	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	37	J	ug/kg	110	35.	1
Benzo(ghi)perylene	68	J	ug/kg	140	21.	1
Fluorene	17	J	ug/kg	180	17.	1
Phenanthrene	150		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	65	J	ug/kg	140	25.	1
Pyrene	190		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	26.	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	380	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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:50
Date Received: 06/05/24
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	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	22	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	76		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/11/24 02:48
Analyst: SZ
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 20:50

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	110		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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06 Date Collected: 06/05/24 00:00

Client ID: FD-4 2024-06-05 (5'BGS) Date Received: 06/05/24

Sample Location: 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	59	J	ug/kg	110	20.	1
Benzo(a)pyrene	57	J	ug/kg	150	44.	1
Benzo(b)fluoranthene	73	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	51	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	39	J	ug/kg	150	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	78	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	35	J	ug/kg	150	25.	1
Pyrene	100	J	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: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 00:00
Date Received: 06/05/24
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	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	81		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	77		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 06/13/24 05:50
Analyst: LJG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 15:56

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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY
Date Collected: 06/05/24 12:30
Date Received: 06/05/24
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	1.9	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	38.3	J	ug/l	1
Unknown	5.20	J	ug/l	1
Unknown	4.40	J	ug/l	1
Unknown	5.10	J	ug/l	1
Unknown	6.30	J	ug/l	1
Unknown	6.50	J	ug/l	1
Unknown	5.10	J	ug/l	1
Unknown	5.70	J	ug/l	1

Project Name: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
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	28		21-120
Phenol-d6	27		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	42		10-120
4-Terphenyl-d14	82		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/11/24 15:16
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/07/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	37		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/13/24 15:07
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 15:56

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	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.12	B	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	ND		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	ND		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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07 Date Collected: 06/05/24 12:30

Client ID: FB 2024-06-05 Date Received: 06/05/24

Sample Location: 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	31		21-120
Phenol-d6	28		10-120
Nitrobenzene-d5	100		23-120
2-Fluorobiphenyl	93		15-120
2,4,6-Tribromophenol	44		10-120
4-Terphenyl-d14	93		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07 RE
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/19/24 13:11
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/19/24 00:40

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	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	ND		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	ND		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	ND		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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07 RE
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
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	36		21-120
Phenol-d6	25		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	66		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-08 R
Client ID: FB PFAS 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 14:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 06/20/24 13:36
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 06/19/24 07:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	5.92	0.948	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.96	0.792	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.48	0.496	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.48	0.437	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.48	0.296	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.48	0.355	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.48	0.644	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	7.81	B	ng/l	5.92	2.00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.48	0.400	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.48	0.466	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.48	0.674	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.48	0.600	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	5.92	2.30	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.48	0.807	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.48	0.644	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.48	0.340	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.48	0.400	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.48	0.800	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.48	0.681	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.48	0.555	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.48	0.392	1
PFOA/PFOS, Total	ND		ng/l	1.48	0.644	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-08 R
Client ID: FB PFAS 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 14:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	95		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	97		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	104		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	92		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	95		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	87		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	72		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	91		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	90		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	86		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	87		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	85		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	81		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	66		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	91		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	92		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/11/24 09:46
Analyst: CSP

Extraction Method: EPA 3510C
Extraction Date: 06/07/24 11:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 07 Batch: WG1931154-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	25		15-110

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 13:00
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/08/24 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1931642-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 13:00
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/08/24 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1931642-1					
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	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/09/24 13:00
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 06/08/24 16:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1931642-1					
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	25	7.6
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	70		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/13/24 04:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 08:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1933313-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/13/24 04:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 08:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1933313-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/13/24 04:37
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 08:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1933313-1					
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	4.50	J	ug/l
Unknown	4.50	J	ug/l

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	29		21-120
Phenol-d6	24		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	64		15-120
2,4,6-Tribromophenol	35		10-120
4-Terphenyl-d14	71		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/13/24 12:23
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 08:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1933314-1					
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	0.26		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	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/13/24 12:23
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 08:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1933314-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	30		21-120
Phenol-d6	26		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	89		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/19/24 10:44
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/18/24 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1935742-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/19/24 10:44
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 06/18/24 08:26

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 07 Batch: WG1935742-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	55		10-120
4-Terphenyl-d14	109		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 06/20/24 11:51
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 06/19/24 05:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1936262-1 R					
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)	8.22		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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 06/20/24 11:51
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 06/19/24 05:52

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 08 Batch: WG1936262-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	80		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	81		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	75		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	57		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	75		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	44		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	72		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	63		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	46		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	76		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	91		20-150

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 06/21/24 11:48
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 06/20/24 16:03
Cleanup Method: EPA 1633
Cleanup Date: 06/20/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1937199-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 06/21/24 11:48
Analyst: JW

Extraction Method: EPA 1633
Extraction Date: 06/20/24 16:03
Cleanup Method: EPA 1633
Cleanup Date: 06/20/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1937199-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	89		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	83		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	84		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	83		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	106		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	84		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	81		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	81		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	66		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	143		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	79		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	69		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	72		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	72		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 07 Batch: WG1931154-2 WG1931154-3								
1,4-Dioxane	132		136		40-140	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	30		32		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1931642-2 WG1931642-3								
Acenaphthene	72		73		31-137	1		50
1,2,4-Trichlorobenzene	69		68		38-107	1		50
Hexachlorobenzene	67		69		40-140	3		50
Bis(2-chloroethyl)ether	77		74		40-140	4		50
2-Chloronaphthalene	74		74		40-140	0		50
1,2-Dichlorobenzene	68		66		40-140	3		50
1,3-Dichlorobenzene	68		65		40-140	5		50
1,4-Dichlorobenzene	67		65		28-104	3		50
3,3'-Dichlorobenzidine	60		66		40-140	10		50
2,4-Dinitrotoluene	84		88		40-132	5		50
2,6-Dinitrotoluene	86		89		40-140	3		50
Fluoranthene	73		73		40-140	0		50
4-Chlorophenyl phenyl ether	69		70		40-140	1		50
4-Bromophenyl phenyl ether	69		72		40-140	4		50
Bis(2-chloroisopropyl)ether	102		100		40-140	2		50
Bis(2-chloroethoxy)methane	81		80		40-117	1		50
Hexachlorobutadiene	67		65		40-140	3		50
Hexachlorocyclopentadiene	84		84		40-140	0		50
Hexachloroethane	72		72		40-140	0		50
Isophorone	79		80		40-140	1		50
Naphthalene	74		73		40-140	1		50
Nitrobenzene	83		81		40-140	2		50
NDPA/DPA	72		73		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1931642-2 WG1931642-3								
n-Nitrosodi-n-propylamine	80		80		32-121	0		50
Bis(2-ethylhexyl)phthalate	95		95		40-140	0		50
Butyl benzyl phthalate	91		92		40-140	1		50
Di-n-butylphthalate	77		78		40-140	1		50
Di-n-octylphthalate	99		100		40-140	1		50
Diethyl phthalate	71		73		40-140	3		50
Dimethyl phthalate	77		76		40-140	1		50
Benzo(a)anthracene	79		78		40-140	1		50
Benzo(a)pyrene	80		81		40-140	1		50
Benzo(b)fluoranthene	79		79		40-140	0		50
Benzo(k)fluoranthene	79		78		40-140	1		50
Chrysene	79		80		40-140	1		50
Acenaphthylene	75		76		40-140	1		50
Anthracene	75		74		40-140	1		50
Benzo(ghi)perylene	74		77		40-140	4		50
Fluorene	70		71		40-140	1		50
Phenanthrene	73		72		40-140	1		50
Dibenzo(a,h)anthracene	76		76		40-140	0		50
Indeno(1,2,3-cd)pyrene	76		78		40-140	3		50
Pyrene	74		73		35-142	1		50
Biphenyl	72		72		37-127	0		50
4-Chloroaniline	80		76		40-140	5		50
2-Nitroaniline	95		91		47-134	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1931642-2 WG1931642-3								
3-Nitroaniline	67		74		26-129	10		50
4-Nitroaniline	79		82		41-125	4		50
Dibenzofuran	68		70		40-140	3		50
2-Methylnaphthalene	77		76		40-140	1		50
1,2,4,5-Tetrachlorobenzene	68		68		40-117	0		50
Acetophenone	77		76		14-144	1		50
2,4,6-Trichlorophenol	80		80		30-130	0		50
p-Chloro-m-cresol	83		84		26-103	1		50
2-Chlorophenol	78		76		25-102	3		50
2,4-Dichlorophenol	79		79		30-130	0		50
2,4-Dimethylphenol	95		94		30-130	1		50
2-Nitrophenol	92		91		30-130	1		50
4-Nitrophenol	99		104		11-114	5		50
2,4-Dinitrophenol	87		91		4-130	4		50
4,6-Dinitro-o-cresol	90		93		10-130	3		50
Pentachlorophenol	62		68		17-109	9		50
Phenol	75		75		26-90	0		50
2-Methylphenol	82		83		30-130.	1		50
3-Methylphenol/4-Methylphenol	88		90		30-130	2		50
2,4,5-Trichlorophenol	78		79		30-130	1		50
Benzoic Acid	71		74		10-110	4		50
Benzyl Alcohol	81		82		40-140	1		50
Carbazole	77		77		54-128	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1931642-2 WG1931642-3								
1,4-Dioxane	59		56		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		78		25-120
Phenol-d6	84		78		10-120
Nitrobenzene-d5	84		77		23-120
2-Fluorobiphenyl	76		70		30-120
2,4,6-Tribromophenol	67		64		10-136
4-Terphenyl-d14	69		64		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1933313-2 WG1933313-3								
Acenaphthene	69		75		37-111	8		30
1,2,4-Trichlorobenzene	61		65		39-98	6		30
Hexachlorobenzene	67		72		40-140	7		30
Bis(2-chloroethyl)ether	70		74		40-140	6		30
2-Chloronaphthalene	64		71		40-140	10		30
1,2-Dichlorobenzene	59		65		40-140	10		30
1,3-Dichlorobenzene	59		64		40-140	8		30
1,4-Dichlorobenzene	60		63		36-97	5		30
3,3'-Dichlorobenzidine	65		70		40-140	7		30
2,4-Dinitrotoluene	72		76		48-143	5		30
2,6-Dinitrotoluene	67		73		40-140	9		30
Fluoranthene	71		74		40-140	4		30
4-Chlorophenyl phenyl ether	74		77		40-140	4		30
4-Bromophenyl phenyl ether	69		74		40-140	7		30
Bis(2-chloroisopropyl)ether	68		74		40-140	8		30
Bis(2-chloroethoxy)methane	68		77		40-140	12		30
Hexachlorobutadiene	58		61		40-140	5		30
Hexachlorocyclopentadiene	53		62		40-140	16		30
Hexachloroethane	55		60		40-140	9		30
Isophorone	61		68		40-140	11		30
Naphthalene	65		72		40-140	10		30
Nitrobenzene	70		76		40-140	8		30
NDPA/DPA	72		76		40-140	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1933313-2 WG1933313-3								
n-Nitrosodi-n-propylamine	67		73		29-132	9		30
Bis(2-ethylhexyl)phthalate	62		64		40-140	3		30
Butyl benzyl phthalate	67		68		40-140	1		30
Di-n-butylphthalate	62		63		40-140	2		30
Di-n-octylphthalate	61		64		40-140	5		30
Diethyl phthalate	74		77		40-140	4		30
Dimethyl phthalate	69		76		40-140	10		30
Benzo(a)anthracene	73		79		40-140	8		30
Benzo(a)pyrene	73		80		40-140	9		30
Benzo(b)fluoranthene	73		82		40-140	12		30
Benzo(k)fluoranthene	75		78		40-140	4		30
Chrysene	78		86		40-140	10		30
Acenaphthylene	64		71		45-123	10		30
Anthracene	74		76		40-140	3		30
Benzo(ghi)perylene	77		80		40-140	4		30
Fluorene	72		77		40-140	7		30
Phenanthrene	74		78		40-140	5		30
Dibenzo(a,h)anthracene	78		84		40-140	7		30
Indeno(1,2,3-cd)pyrene	77		75		40-140	3		30
Pyrene	71		72		26-127	1		30
Biphenyl	64		71		40-140	10		30
4-Chloroaniline	64		62		40-140	3		30
2-Nitroaniline	65		72		52-143	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1933313-2 WG1933313-3								
3-Nitroaniline	70		72		25-145	3		30
4-Nitroaniline	72		74		51-143	3		30
Dibenzofuran	70		76		40-140	8		30
2-Methylnaphthalene	63		71		40-140	12		30
1,2,4,5-Tetrachlorobenzene	60		68		2-134	13		30
Acetophenone	66		73		39-129	10		30
2,4,6-Trichlorophenol	38		**24**	Q	30-130	**45**	Q	30
p-Chloro-m-cresol	57		60		23-97	5		30
2-Chlorophenol	43		36		27-123	18		30
2,4-Dichlorophenol	44		36		30-130	20		30
2,4-Dimethylphenol	52		58		30-130	11		30
2-Nitrophenol	42		32		30-130	27		30
4-Nitrophenol	27		15		10-80	**57**	Q	30
2,4-Dinitrophenol	58		53		20-130	9		30
4,6-Dinitro-o-cresol	55		45		20-164	20		30
Pentachlorophenol	28		16		9-103	**55**	Q	30
Phenol	26		26		12-110	0		30
2-Methylphenol	55		58		30-130	5		30
3-Methylphenol/4-Methylphenol	57		59		30-130	3		30
2,4,5-Trichlorophenol	43		**28**	Q	30-130	**42**	Q	30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	60		66		26-116	10		30
Carbazole	71		72		55-144	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1933313-2 WG1933313-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	28		**20**	Q	21-120
Phenol-d6	25		24		10-120
Nitrobenzene-d5	68		78		23-120
2-Fluorobiphenyl	62		73		15-120
2,4,6-Tribromophenol	40		24		10-120
4-Terphenyl-d14	65		67		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1933314-2 WG1933314-3								
Acenaphthene	71		78		40-140	9		40
2-Chloronaphthalene	66		72		40-140	9		40
Fluoranthene	85		88		40-140	3		40
Hexachlorobutadiene	56		60		40-140	7		40
Naphthalene	62		68		40-140	9		40
Benzo(a)anthracene	78		80		40-140	3		40
Benzo(a)pyrene	88		93		40-140	6		40
Benzo(b)fluoranthene	80		86		40-140	7		40
Benzo(k)fluoranthene	86		88		40-140	2		40
Chrysene	75		81		40-140	8		40
Acenaphthylene	73		79		40-140	8		40
Anthracene	77		82		40-140	6		40
Benzo(ghi)perylene	88		94		40-140	7		40
Fluorene	75		81		40-140	8		40
Phenanthrene	75		80		40-140	6		40
Dibenzo(a,h)anthracene	97		103		40-140	6		40
Indeno(1,2,3-cd)pyrene	96		102		40-140	6		40
Pyrene	86		89		40-140	3		40
2-Methylnaphthalene	65		71		40-140	9		40
Pentachlorophenol	**38**	Q	**25**	Q	40-140	**41**	Q	40
Hexachlorobenzene	74		80		40-140	8		40
Hexachloroethane	54		59		40-140	9		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1933314-2 WG1933314-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	31		23		21-120
Phenol-d6	27		28		10-120
Nitrobenzene-d5	70		80		23-120
2-Fluorobiphenyl	65		71		15-120
2,4,6-Tribromophenol	51		34		10-120
4-Terphenyl-d14	81		85		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1935742-2 WG1935742-3								
Acenaphthene	68		90		40-140	28		40
2-Chloronaphthalene	61		80		40-140	27		40
Fluoranthene	82		106		40-140	26		40
Hexachlorobutadiene	49		68		40-140	32		40
Naphthalene	56		76		40-140	30		40
Benzo(a)anthracene	75		97		40-140	26		40
Benzo(a)pyrene	87		111		40-140	24		40
Benzo(b)fluoranthene	83		104		40-140	22		40
Benzo(k)fluoranthene	84		111		40-140	28		40
Chrysene	76		97		40-140	24		40
Acenaphthylene	69		90		40-140	26		40
Anthracene	75		96		40-140	25		40
Benzo(ghi)perylene	84		107		40-140	24		40
Fluorene	71		93		40-140	27		40
Phenanthrene	75		96		40-140	25		40
Dibenzo(a,h)anthracene	93		118		40-140	24		40
Indeno(1,2,3-cd)pyrene	91		116		40-140	24		40
Pyrene	82		105		40-140	25		40
2-Methylnaphthalene	60		81		40-140	30		40
Pentachlorophenol	40		102		40-140	**87**	Q	40
Hexachlorobenzene	71		91		40-140	25		40
Hexachloroethane	50		71		40-140	35		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 07 Batch: WG1935742-2 WG1935742-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		71		21-120
Phenol-d6	38		53		10-120
Nitrobenzene-d5	67		93		23-120
2-Fluorobiphenyl	66		80		15-120
2,4,6-Tribromophenol	65		97		10-120
4-Terphenyl-d14	83		107		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 08 Batch: WG1936262-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	106		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	116		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	**167**	Q	-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	105		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	105		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	113		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	120		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	106		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	104		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	129		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	108		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	105		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

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): 08 Batch: WG1936262-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	94				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	82				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	79				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	63				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	84				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	80				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	74				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	73				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	53				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	67				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	46				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	71				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1936262-3								
Perfluorobutanoic Acid (PFBA)	94		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	99		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	95		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	96		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	100		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	107		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	88		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	103		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	104		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	89		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	98		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	85		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	100		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	90		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 08 Batch: WG1936262-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	84				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	84				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	85				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	82				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	76				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	75				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	56				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	74				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	76				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	61				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	49				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	68				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	48				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	79				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	81				20-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 04 Batch: WG1937199-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	110		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	107		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	124		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	109		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	94		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	116		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	101		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	108		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	122		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	80		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	108		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	106		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	105		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	112		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	115		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	130		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

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): 04 Batch: WG1937199-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	89				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	81				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	85				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	79				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	86				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	71				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	135				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	69				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	71				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	78				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52				20-150

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1937199-3								
Perfluorobutanoic Acid (PFBA)	91		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	92		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	90		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	80		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	102		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	95		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	98		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	95		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	70		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	94		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	98		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	106		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	99		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	98		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1937199-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	83				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	87				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	83				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	81				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	104				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	82				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	90				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	75				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	66				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	**166**	Q			20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	76				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	81				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	84				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	68				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	45				20-150

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931642-4 WG1931642-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
Acenaphthene	ND	1480	900	61		1000	68		31-137	11		50
1,2,4-Trichlorobenzene	ND	1480	990	67		1000	68		38-107	1		50
Hexachlorobenzene	ND	1480	900	61		1000	68		40-140	11		50
Bis(2-chloroethyl)ether	ND	1480	1000	68		1000	68		40-140	0		50
2-Chloronaphthalene	ND	1480	920	62		980	67		40-140	6		50
1,2-Dichlorobenzene	ND	1480	930	63		1000	68		40-140	7		50
1,3-Dichlorobenzene	ND	1480	910	62		970	66		40-140	6		50
1,4-Dichlorobenzene	ND	1480	900	61		980	67		28-104	9		50
3,3'-Dichlorobenzidine	ND	1480	820	56		1000	68		40-140	20		50
2,4-Dinitrotoluene	ND	1480	980	66		1100	75		40-132	12		50
2,6-Dinitrotoluene	ND	1480	1100	75		1200	82		40-140	9		50
Fluoranthene	170	1480	1100	63		1300	77		40-140	17		50
4-Chlorophenyl phenyl ether	ND	1480	940	64		1100	75		40-140	16		50
4-Bromophenyl phenyl ether	ND	1480	960	65		1100	75		40-140	14		50
Bis(2-chloroisopropyl)ether	ND	1480	740	50		790	54		40-140	7		50
Bis(2-chloroethoxy)methane	ND	1480	1000	68		1100	75		40-117	10		50
Hexachlorobutadiene	ND	1480	940	64		1000	68		40-140	6		50
Hexachlorocyclopentadiene	ND	1480	980	66		1000	68		40-140	2		50
Hexachloroethane	ND	1480	970	66		1000	68		40-140	3		50
Isophorone	ND	1480	1100	75		1100	75		40-140	0		50
Naphthalene	ND	1480	910	62		1000	68		40-140	9		50
Nitrobenzene	ND	1480	1100	75		1200	82		40-140	9		50
NDPA/DPA	ND	1480	920	62		1000	68		36-157	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931642-4 WG1931642-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
n-Nitrosodi-n-propylamine	ND	1480	1000	68		1100	75		32-121	10		50
Bis(2-ethylhexyl)phthalate	73J	1480	910	62		1000	68		40-140	9		50
Butyl benzyl phthalate	ND	1480	1000	68		1200	82		40-140	18		50
Di-n-butylphthalate	ND	1480	1000	68		1200	82		40-140	18		50
Di-n-octylphthalate	ND	1480	930	63		1000	68		40-140	7		50
Diethyl phthalate	ND	1480	940	64		1100	75		40-140	16		50
Dimethyl phthalate	ND	1480	930	63		1000	68		40-140	7		50
Benzo(a)anthracene	89J	1480	1000	68		1200	82		40-140	18		50
Benzo(a)pyrene	86J	1480	1000	68		1200	82		40-140	18		50
Benzo(b)fluoranthene	100J	1480	980	66		1200	82		40-140	20		50
Benzo(k)fluoranthene	33J	1480	940	64		1000	68		40-140	6		50
Chrysene	83J	1480	990	67		1100	75		40-140	11		50
Acenaphthylene	ND	1480	930	63		1000	68		40-140	7		50
Anthracene	ND	1480	930	63		1000	68		40-140	7		50
Benzo(ghi)perylene	55J	1480	930	63		1000	68		40-140	7		50
Fluorene	ND	1480	900	61		1000	68		40-140	11		50
Phenanthrene	120	1480	970	58		1100	67		40-140	13		50
Dibenzo(a,h)anthracene	ND	1480	910	62		990	68		40-140	8		50
Indeno(1,2,3-cd)pyrene	53J	1480	990	67		1000	68		40-140	1		50
Pyrene	160	1480	1000	57		1200	71		35-142	18		50
Biphenyl	ND	1480	870	59		930	63		37-127	7		50
4-Chloroaniline	ND	1480	840	57		920	63		40-140	9		50
2-Nitroaniline	ND	1480	1100	75		1200	82		47-134	9		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931642-4 WG1931642-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
3-Nitroaniline	ND	1480	850	58		1000	68		26-129	16		50
4-Nitroaniline	ND	1480	990	67		1100	75		41-125	11		50
Dibenzofuran	ND	1480	870	59		1000	68		40-140	14		50
2-Methylnaphthalene	ND	1480	930	63		1000	68		40-140	7		50
1,2,4,5-Tetrachlorobenzene	ND	1480	960	65		1000	68		40-117	4		50
Acetophenone	ND	1480	1100	75		1200	82		14-144	9		50
2,4,6-Trichlorophenol	ND	1480	1100	75		1200	82		30-130	9		50
p-Chloro-m-cresol	ND	1480	1100	75		1200	82		26-103	9		50
2-Chlorophenol	ND	1480	1200	81		1200	82		25-102	0		50
2,4-Dichlorophenol	ND	1480	1200	81		1200	82		30-130	0		50
2,4-Dimethylphenol	ND	1480	1400	95		1400	95		30-130	0		50
2-Nitrophenol	ND	1480	1400	95		1500	100		30-130	7		50
4-Nitrophenol	ND	1480	1000	68		1200	82		11-114	18		50
2,4-Dinitrophenol	ND	1480	260J	18		280J	19		4-130	7		50
4,6-Dinitro-o-cresol	ND	1480	730	49		770	53		10-130	5		50
Pentachlorophenol	ND	1480	960	65		1100	75		17-109	14		50
Phenol	ND	1480	1100	75		1200	82		26-90	9		50
2-Methylphenol	ND	1480	1200	81		1200	82		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1480	1200	81		1200	82		30-130	0		50
2,4,5-Trichlorophenol	ND	1480	1100	75		1200	82		30-130	9		50
Benzoic Acid	ND	1480	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1480	1100	75		1200	82		40-140	9		50
Carbazole	ND	1480	930	63		1100	75		54-128	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931642-4 WG1931642-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												
1,4-Dioxane	ND	1480	580	**39**	Q	670	46		40-140	14		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	70		78		10-136
2-Fluorobiphenyl	58		61		30-120
2-Fluorophenol	78		82		25-120
4-Terphenyl-d14	60		67		18-120
Nitrobenzene-d5	78		81		23-120
Phenol-d6	75		80		10-120

PCBS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:15
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 17:46
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.9	4.78	1	A
Aroclor 1221	ND		ug/kg	53.9	5.40	1	A
Aroclor 1232	ND		ug/kg	53.9	11.4	1	A
Aroclor 1242	ND		ug/kg	53.9	7.26	1	A
Aroclor 1248	ND		ug/kg	53.9	8.08	1	A
Aroclor 1254	ND		ug/kg	53.9	5.89	1	A
Aroclor 1260	ND		ug/kg	53.9	9.95	1	A
Aroclor 1262	ND		ug/kg	53.9	6.84	1	A
Aroclor 1268	ND		ug/kg	53.9	5.58	1	A
PCBs, Total	ND		ug/kg	53.9	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 17:54
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.7	4.68	1	A
Aroclor 1221	ND		ug/kg	52.7	5.28	1	A
Aroclor 1232	ND		ug/kg	52.7	11.2	1	A
Aroclor 1242	ND		ug/kg	52.7	7.10	1	A
Aroclor 1248	ND		ug/kg	52.7	7.90	1	A
Aroclor 1254	ND		ug/kg	52.7	5.76	1	A
Aroclor 1260	ND		ug/kg	52.7	9.73	1	A
Aroclor 1262	ND		ug/kg	52.7	6.69	1	A
Aroclor 1268	ND		ug/kg	52.7	5.46	1	A
PCBs, Total	ND		ug/kg	52.7	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 11:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 18:18
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.9	4.79	1	A
Aroclor 1221	ND		ug/kg	53.9	5.40	1	A
Aroclor 1232	ND		ug/kg	53.9	11.4	1	A
Aroclor 1242	ND		ug/kg	53.9	7.27	1	A
Aroclor 1248	ND		ug/kg	53.9	8.09	1	A
Aroclor 1254	ND		ug/kg	53.9	5.90	1	A
Aroclor 1260	ND		ug/kg	53.9	9.97	1	A
Aroclor 1262	ND		ug/kg	53.9	6.85	1	A
Aroclor 1268	ND		ug/kg	53.9	5.59	1	A
PCBs, Total	ND		ug/kg	53.9	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 18:26
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	51.8	4.60	1	A
Aroclor 1221	ND		ug/kg	51.8	5.19	1	A
Aroclor 1232	ND		ug/kg	51.8	11.0	1	A
Aroclor 1242	ND		ug/kg	51.8	6.98	1	A
Aroclor 1248	ND		ug/kg	51.8	7.76	1	A
Aroclor 1254	ND		ug/kg	51.8	5.66	1	A
Aroclor 1260	ND		ug/kg	51.8	9.57	1	A
Aroclor 1262	ND		ug/kg	51.8	6.57	1	A
Aroclor 1268	ND		ug/kg	51.8	5.36	1	A
PCBs, Total	ND		ug/kg	51.8	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 18:34
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	ND		ug/kg	53.7	5.88	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	ND		ug/kg	53.7	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 06/09/24 18:42
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	52.8	4.68	1	A
Aroclor 1221	ND		ug/kg	52.8	5.29	1	A
Aroclor 1232	ND		ug/kg	52.8	11.2	1	A
Aroclor 1242	ND		ug/kg	52.8	7.11	1	A
Aroclor 1248	ND		ug/kg	52.8	7.91	1	A
Aroclor 1254	ND		ug/kg	52.8	5.77	1	A
Aroclor 1260	ND		ug/kg	52.8	9.75	1	A
Aroclor 1262	ND		ug/kg	52.8	6.70	1	A
Aroclor 1268	ND		ug/kg	52.8	5.47	1	A
PCBs, Total	ND		ug/kg	52.8	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 06/12/24 08:31
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 00:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/24

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	89		30-150	A
Decachlorobiphenyl	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/09/24 17:13
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 06/08/24 17:48
Cleanup Method: EPA 3665A
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-06 Batch: WG1931652-1						
Aroclor 1016	ND		ug/kg	49.0	4.35	A
Aroclor 1221	ND		ug/kg	49.0	4.91	A
Aroclor 1232	ND		ug/kg	49.0	10.4	A
Aroclor 1242	ND		ug/kg	49.0	6.61	A
Aroclor 1248	ND		ug/kg	49.0	7.35	A
Aroclor 1254	ND		ug/kg	49.0	5.36	A
Aroclor 1260	ND		ug/kg	49.0	9.06	A
Aroclor 1262	ND		ug/kg	49.0	6.22	A
Aroclor 1268	ND		ug/kg	49.0	5.08	A
PCBs, Total	ND		ug/kg	49.0	4.35	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 06/12/24 07:56
Analyst: MHG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 00:49
Cleanup Method: EPA 3665A
Cleanup Date: 06/12/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/12/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 07 Batch: WG1932985-1						
Aroclor 1016	ND		ug/l	0.071	0.061	A
Aroclor 1221	ND		ug/l	0.071	0.061	A
Aroclor 1232	ND		ug/l	0.071	0.061	A
Aroclor 1242	ND		ug/l	0.071	0.061	A
Aroclor 1248	ND		ug/l	0.071	0.061	A
Aroclor 1254	ND		ug/l	0.071	0.061	A
Aroclor 1260	ND		ug/l	0.071	0.061	A
Aroclor 1262	ND		ug/l	0.071	0.061	A
Aroclor 1268	ND		ug/l	0.071	0.061	A
PCBs, Total	ND		ug/l	0.071	0.061	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1931652-2 WG1931652-3									
Aroclor 1016	74		75		40-140	1		50	A
Aroclor 1260	71		72		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		72		30-150	A
Decachlorobiphenyl	75		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		76		30-150	B
Decachlorobiphenyl	82		81		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 07 Batch: WG1932985-2 WG1932985-3									
Aroclor 1016	74		58		40-140	25		50	A
Aroclor 1260	71		55		40-140	26		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		62		30-150	A
Decachlorobiphenyl	84		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		65		30-150	B
Decachlorobiphenyl	118		92		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931652-4 WG1931652-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)													
Aroclor 1016	ND	327	224	69		242	70		40-140	8		50	A
Aroclor 1260	ND	327	222	68		247	72		40-140	11		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		68		30-150	A
Decachlorobiphenyl	73		78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	77		80		30-150	B

PESTICIDES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:15
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 23:05
Analyst: PEG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.733	0.328	1	A
Alpha-BHC	ND		ug/kg	0.733	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.989	1	A
Endrin	ND		ug/kg	0.733	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.770	1	A
Endrin ketone	ND		ug/kg	1.76	0.453	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	1.78		ug/kg	1.76	0.407	1	B
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	ND		ug/kg	1.76	1.41	1	B
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.588	1	A
Endosulfan sulfate	ND		ug/kg	0.733	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.23	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.83	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01 Date Collected: 06/05/24 10:15

Client ID: EP-46 (5'BGS) Date Received: 06/05/24

Sample Location: 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	60		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	94		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:35
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 19:58
Analyst: PEG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.344	1	A
Lindane	ND		ug/kg	0.732	0.327	1	A
Alpha-BHC	ND		ug/kg	0.732	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.666	1	A
Heptachlor	ND		ug/kg	0.879	0.394	1	A
Aldrin	ND		ug/kg	1.76	0.619	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.988	1	A
Endrin	ND		ug/kg	0.732	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.769	1	A
Endrin ketone	ND		ug/kg	1.76	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.549	1	A
4,4'-DDE	1.18	J	ug/kg	1.76	0.406	1	B
4,4'-DDD	ND		ug/kg	1.76	0.627	1	A
4,4'-DDT	2.34		ug/kg	1.76	1.41	1	B
Endosulfan I	ND		ug/kg	1.76	0.415	1	A
Endosulfan II	ND		ug/kg	1.76	0.587	1	A
Endosulfan sulfate	ND		ug/kg	0.732	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.22	1	A
cis-Chlordane	ND		ug/kg	2.20	0.612	1	A
trans-Chlordane	ND		ug/kg	2.20	0.580	1	A
Chlordane	ND		ug/kg	14.6	5.82	1	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:35
Date Received: 06/05/24
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	94		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 11:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 23:17
Analyst: PEG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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		ug/kg	1.08	0.541	1	A
4,4'-DDE	ND		ug/kg	1.73	0.400	1	B
4,4'-DDD	ND		ug/kg	1.73	0.617	1	A
4,4'-DDT	ND		ug/kg	1.73	1.39	1	A
Endosulfan I	ND		ug/kg	1.73	0.409	1	A
Endosulfan II	ND		ug/kg	1.73	0.578	1	A
Endosulfan sulfate	ND		ug/kg	0.721	0.343	1	A
Methoxychlor	ND		ug/kg	3.24	1.01	1	A
Toxaphene	ND		ug/kg	32.4	9.09	1	A
cis-Chlordane	ND		ug/kg	2.16	0.603	1	A
trans-Chlordane	ND		ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03 Date Collected: 06/05/24 11:00

Client ID: EP-51 (5'BGS) Date Received: 06/05/24

Sample Location: 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	72		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:10
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 23:28
Analyst: PEG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	0.865	0.388	1	A
Aldrin	ND		ug/kg	1.73	0.609	1	A
Heptachlor epoxide	ND		ug/kg	3.24	0.973	1	A
Endrin	ND		ug/kg	0.720	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	B
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: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04 Date Collected: 06/05/24 13:10

Client ID: EP-54 (5'BGS) Date Received: 06/05/24

Sample Location: 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	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:50
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 23:39
Analyst: PEG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	0.946	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	1.90		ug/kg	1.68	0.389	1	B
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	1.60	J	ug/kg	1.68	1.35	1	B
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	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.555	1	A
Chlordane	ND		ug/kg	14.0	5.57	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05 Date Collected: 06/05/24 13:50

Client ID: EP-50 (5'BGS) Date Received: 06/05/24

Sample Location: 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	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 00:00
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 06/10/24 23:50
Analyst: PEG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

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	0.854	0.383	1	A
Aldrin	ND		ug/kg	1.71	0.602	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.961	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	ND		ug/kg	1.07	0.534	1	A
4,4'-DDE	0.495	J	ug/kg	1.71	0.395	1	B
4,4'-DDD	ND		ug/kg	1.71	0.610	1	A
4,4'-DDT	ND		ug/kg	1.71	1.37	1	B
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	8.97	1	A
cis-Chlordane	ND		ug/kg	2.14	0.595	1	A
trans-Chlordane	ND		ug/kg	2.14	0.564	1	A
Chlordane	ND		ug/kg	14.2	5.66	1	A

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06 Date Collected: 06/05/24 00:00

Client ID: FD-4 2024-06-05 (5'BGS) Date Received: 06/05/24

Sample Location: 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	61		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY

Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 06/12/24 14:59
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.005	JIP	ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY
Date Collected: 06/05/24 12:30
Date Received: 06/05/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/24 19:25
Analyst: PEG

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1931655-1						
Delta-BHC	ND		ug/kg	1.50	0.295	A
Lindane	ND		ug/kg	0.627	0.280	A
Alpha-BHC	ND		ug/kg	0.627	0.178	A
Beta-BHC	ND		ug/kg	1.50	0.571	A
Heptachlor	ND		ug/kg	0.753	0.338	A
Aldrin	ND		ug/kg	1.50	0.530	A
Heptachlor epoxide	ND		ug/kg	2.82	0.847	A
Endrin	ND		ug/kg	0.627	0.257	A
Endrin aldehyde	ND		ug/kg	1.88	0.659	A
Endrin ketone	ND		ug/kg	1.50	0.388	A
Dieldrin	ND		ug/kg	0.941	0.470	A
4,4'-DDE	ND		ug/kg	1.50	0.348	A
4,4'-DDD	ND		ug/kg	1.50	0.537	A
4,4'-DDT	ND		ug/kg	1.50	1.21	A
Endosulfan I	ND		ug/kg	1.50	0.356	A
Endosulfan II	ND		ug/kg	1.50	0.503	A
Endosulfan sulfate	ND		ug/kg	0.627	0.299	A
Methoxychlor	ND		ug/kg	2.82	0.878	A
Toxaphene	ND		ug/kg	28.2	7.90	A
cis-Chlordane	ND		ug/kg	1.88	0.524	A
trans-Chlordane	ND		ug/kg	1.88	0.497	A
Chlordane	ND		ug/kg	12.5	4.99	A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/10/24 19:25
Analyst: PEG

Extraction Method: EPA 3546
Extraction Date: 06/08/24 19:03
Cleanup Method: EPA 3620B
Cleanup Date: 06/09/24
Cleanup Method: EPA 3660B
Cleanup Date: 06/09/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-06 Batch: WG1931655-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/24 14:13
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1932984-1						
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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 06/12/24 14:13
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 06/12/24 00:48

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 07 Batch: WG1932984-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1931655-2 WG1931655-3									
Delta-BHC	95		89		30-150	7		30	A
Lindane	100		93		30-150	7		30	A
Alpha-BHC	103		96		30-150	7		30	A
Beta-BHC	106		104		30-150	2		30	A
Heptachlor	101		95		30-150	6		30	A
Aldrin	97		91		30-150	6		30	A
Heptachlor epoxide	80		74		30-150	8		30	A
Endrin	101		96		30-150	5		30	A
Endrin aldehyde	89		82		30-150	8		30	A
Endrin ketone	108		102		30-150	6		30	A
Dieldrin	109		103		30-150	6		30	A
4,4'-DDE	101		96		30-150	5		30	A
4,4'-DDD	108		103		30-150	5		30	A
4,4'-DDT	100		94		30-150	6		30	A
Endosulfan I	96		91		30-150	5		30	A
Endosulfan II	105		100		30-150	5		30	A
Endosulfan sulfate	97		91		30-150	6		30	A
Methoxychlor	117		109		30-150	7		30	A
cis-Chlordane	91		86		30-150	6		30	A
trans-Chlordane	100		95		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 Batch: WG1931655-2 WG1931655-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		77		30-150	A
Decachlorobiphenyl	113		107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		95		30-150	B
Decachlorobiphenyl	128		119		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1932984-2 WG1932984-3									
Delta-BHC	79		68		30-150	14		20	A
Lindane	82		72		30-150	13		20	A
Alpha-BHC	86		76		30-150	13		20	A
Beta-BHC	94		81		30-150	14		20	A
Heptachlor	83		73		30-150	14		20	A
Aldrin	84		74		30-150	13		20	A
Heptachlor epoxide	86		75		30-150	15		20	A
Endrin	87		75		30-150	15		20	A
Endrin aldehyde	81		70		30-150	15		20	A
Endrin ketone	93		81		30-150	14		20	A
Dieldrin	95		82		30-150	15		20	A
4,4'-DDE	88		77		30-150	14		20	A
4,4'-DDD	96		83		30-150	14		20	A
4,4'-DDT	95		80		30-150	17		20	A
Endosulfan I	86		73		30-150	16		20	A
Endosulfan II	89		77		30-150	15		20	A
Endosulfan sulfate	86		75		30-150	14		20	A
Methoxychlor	114		99		30-150	14		20	A
cis-Chlordane	81		71		30-150	14		20	A
trans-Chlordane	95		82		30-150	15		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 07 Batch: WG1932984-2 WG1932984-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	A
Decachlorobiphenyl	92		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	B
Decachlorobiphenyl	90		80		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931655-4 WG1931655-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)													
Delta-BHC	ND	36.1	34.5	96		31.7	87		30-150	8		50	A
Lindane	ND	36.1	35.9	100		33.6	92		30-150	7		50	A
Alpha-BHC	ND	36.1	38.8	107		36.9	102		30-150	5		50	A
Beta-BHC	ND	36.1	33.0	91		31.7	87		30-150	4		50	A
Heptachlor	ND	36.1	36.8	102		34.9	96		30-150	5		50	A
Aldrin	ND	36.1	35.1	97		32.3	89		30-150	8		50	A
Heptachlor epoxide	ND	36.1	29.2	81		29.5	81		30-150	1		50	A
Endrin	ND	36.1	35.8	99		32.2	89		30-150	11		50	A
Endrin aldehyde	ND	36.1	35.8	99		38.0	105		30-150	6		50	A
Endrin ketone	ND	36.1	38.6	107		38.4	106		30-150	1		50	A
Dieldrin	ND	36.1	39.1	108		38.2	105		30-150	2		50	A
4,4'-DDE	1.18J	36.1	41.7	116		43.5	120		30-150	4		50	B
4,4'-DDD	ND	36.1	39.0	108		38.4	106		30-150	2		50	A
4,4'-DDT	2.34	36.1	40.4	105		41.7	108		30-150	3		50	B
Endosulfan I	ND	36.1	34.8	96		31.6	87		30-150	10		50	A
Endosulfan II	ND	36.1	37.2	103		33.0	91		30-150	12		50	A
Endosulfan sulfate	ND	36.1	34.5	96		36.4	100		30-150	5		50	A
Methoxychlor	ND	36.1	43.3	120		50.3	138		30-150	15		50	A
cis-Chlordane	ND	36.1	32.5	90		29.0	80		30-150	11		50	A
trans-Chlordane	ND	36.1	36.0	100		31.7	87		30-150	13		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1931655-4 WG1931655-5 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		88		30-150	A
Decachlorobiphenyl	106		136		30-150	A
2,4,5,6-Tetrachloro-m-xylene	112		105		30-150	B
Decachlorobiphenyl	121		110		30-150	B

METALS

Project Name: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:15
Date Received: 06/05/24
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	6930		mg/kg	8.60	2.32	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.30	0.327	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.59		mg/kg	0.860	0.179	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Barium, Total	49.6		mg/kg	0.860	0.150	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.366	J	mg/kg	0.430	0.028	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.860	0.084	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Calcium, Total	9390		mg/kg	8.60	3.01	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Chromium, Total	13.2		mg/kg	0.860	0.083	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.99		mg/kg	1.72	0.143	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Copper, Total	14.8		mg/kg	0.860	0.222	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Iron, Total	10300		mg/kg	4.30	0.776	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Lead, Total	31.6		mg/kg	4.30	0.230	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Magnesium, Total	1800		mg/kg	8.60	1.32	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Manganese, Total	386		mg/kg	0.860	0.137	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Mercury, Total	0.090		mg/kg	0.076	0.050	1	06/12/24 02:25	06/12/24 14:27	EPA 7471B	1,7471B	JWN
Nickel, Total	8.37		mg/kg	2.15	0.208	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Potassium, Total	485		mg/kg	215	12.4	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Selenium, Total	0.569	J	mg/kg	1.72	0.222	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.430	0.243	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Sodium, Total	175		mg/kg	172	2.71	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.72	0.271	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Vanadium, Total	12.6		mg/kg	0.860	0.174	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM
Zinc, Total	65.6		mg/kg	4.30	0.252	2	06/12/24 01:16	06/12/24 15:27	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 10:35
Date Received: 06/05/24
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	6070		mg/kg	8.74	2.36	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.37	0.332	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.43		mg/kg	0.874	0.182	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Barium, Total	28.0		mg/kg	0.874	0.152	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.320	J	mg/kg	0.437	0.029	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.874	0.086	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Calcium, Total	2060		mg/kg	8.74	3.06	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Chromium, Total	10.7		mg/kg	0.874	0.084	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.58		mg/kg	1.75	0.145	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Copper, Total	8.33		mg/kg	0.874	0.226	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Iron, Total	9450		mg/kg	4.37	0.790	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Lead, Total	15.9		mg/kg	4.37	0.234	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Magnesium, Total	1660		mg/kg	8.74	1.35	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Manganese, Total	334		mg/kg	0.874	0.139	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Mercury, Total	0.071	J	mg/kg	0.082	0.054	1	06/12/24 02:25	06/12/24 13:28	EPA 7471B	1,7471B	JWN
Nickel, Total	7.28		mg/kg	2.18	0.212	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Potassium, Total	477		mg/kg	218	12.6	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Selenium, Total	0.330	J	mg/kg	1.75	0.226	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.437	0.247	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Sodium, Total	122	J	mg/kg	175	2.75	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.75	0.275	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Vanadium, Total	11.0		mg/kg	0.874	0.177	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM
Zinc, Total	29.9		mg/kg	4.37	0.256	2	06/12/24 01:16	06/12/24 14:02	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 11:00
Date Received: 06/05/24
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	5060		mg/kg	8.45	2.28	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.22	0.321	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Arsenic, Total	1.87		mg/kg	0.845	0.176	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Barium, Total	25.2		mg/kg	0.845	0.147	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.260	J	mg/kg	0.422	0.028	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.845	0.083	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Calcium, Total	2970		mg/kg	8.45	2.96	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Chromium, Total	8.77		mg/kg	0.845	0.081	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Cobalt, Total	2.89		mg/kg	1.69	0.140	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Copper, Total	6.35		mg/kg	0.845	0.218	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Iron, Total	8140		mg/kg	4.22	0.763	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Lead, Total	11.4		mg/kg	4.22	0.226	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Magnesium, Total	1420		mg/kg	8.45	1.30	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Manganese, Total	228		mg/kg	0.845	0.134	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.078	0.051	1	06/12/24 02:25	06/12/24 14:37	EPA 7471B	1,7471B	JWN
Nickel, Total	5.80		mg/kg	2.11	0.204	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Potassium, Total	397		mg/kg	211	12.2	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Selenium, Total	0.716	J	mg/kg	1.69	0.218	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.422	0.239	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Sodium, Total	183		mg/kg	169	2.66	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.69	0.266	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Vanadium, Total	10.2		mg/kg	0.845	0.172	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM
Zinc, Total	24.6		mg/kg	4.22	0.248	2	06/12/24 01:16	06/12/24 15:32	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:10
Date Received: 06/05/24
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	4570		mg/kg	8.78	2.37	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.39	0.334	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Arsenic, Total	1.70		mg/kg	0.878	0.183	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Barium, Total	22.0		mg/kg	0.878	0.153	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.216	J	mg/kg	0.439	0.029	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.878	0.086	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Calcium, Total	2020		mg/kg	8.78	3.07	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Chromium, Total	8.02		mg/kg	0.878	0.084	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Cobalt, Total	2.84		mg/kg	1.76	0.146	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Copper, Total	5.22		mg/kg	0.878	0.226	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Iron, Total	8100		mg/kg	4.39	0.793	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Lead, Total	7.75		mg/kg	4.39	0.235	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Magnesium, Total	1390		mg/kg	8.78	1.35	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Manganese, Total	183		mg/kg	0.878	0.140	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.076	0.050	1	06/12/24 02:25	06/12/24 14:40	EPA 7471B	1,7471B	JWN
Nickel, Total	5.85		mg/kg	2.20	0.212	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Potassium, Total	384		mg/kg	220	12.6	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Selenium, Total	0.282	J	mg/kg	1.76	0.226	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.439	0.248	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Sodium, Total	163	J	mg/kg	176	2.77	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.76	0.277	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Vanadium, Total	9.23		mg/kg	0.878	0.178	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM
Zinc, Total	19.2		mg/kg	4.39	0.257	2	06/12/24 01:16	06/12/24 15:37	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 13:50
Date Received: 06/05/24
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	7220		mg/kg	8.47	2.29	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.24	0.322	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Arsenic, Total	3.76		mg/kg	0.847	0.176	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Barium, Total	50.6		mg/kg	0.847	0.147	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.342	J	mg/kg	0.424	0.028	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.847	0.083	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Calcium, Total	12200		mg/kg	8.47	2.96	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Chromium, Total	11.6		mg/kg	0.847	0.081	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Cobalt, Total	3.86		mg/kg	1.69	0.141	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Copper, Total	12.4		mg/kg	0.847	0.218	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Iron, Total	10400		mg/kg	4.24	0.765	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Lead, Total	25.8		mg/kg	4.24	0.227	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Magnesium, Total	1960		mg/kg	8.47	1.30	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Manganese, Total	349		mg/kg	0.847	0.135	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Mercury, Total	0.073	J	mg/kg	0.084	0.055	1	06/12/24 02:25	06/12/24 14:44	EPA 7471B	1,7471B	JWN
Nickel, Total	8.16		mg/kg	2.12	0.205	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Potassium, Total	521		mg/kg	212	12.2	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Selenium, Total	0.624	J	mg/kg	1.69	0.218	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.424	0.240	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Sodium, Total	226		mg/kg	169	2.67	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.69	0.267	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Vanadium, Total	13.7		mg/kg	0.847	0.172	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM
Zinc, Total	39.9		mg/kg	4.24	0.248	2	06/12/24 01:16	06/12/24 17:01	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Lab Number: L2431297
Project Number: 41.0163097.00
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 06/05/24 00:00
Date Received: 06/05/24
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	4280		mg/kg	8.71	2.35	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Antimony, Total	ND		mg/kg	4.36	0.331	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Arsenic, Total	2.03		mg/kg	0.871	0.181	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Barium, Total	21.6		mg/kg	0.871	0.152	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Beryllium, Total	0.219	J	mg/kg	0.436	0.029	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.871	0.085	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Calcium, Total	4120		mg/kg	8.71	3.05	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Chromium, Total	8.00		mg/kg	0.871	0.084	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Cobalt, Total	2.58		mg/kg	1.74	0.145	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Copper, Total	6.50		mg/kg	0.871	0.225	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Iron, Total	7750		mg/kg	4.36	0.787	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Lead, Total	13.6		mg/kg	4.36	0.233	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Magnesium, Total	1610		mg/kg	8.71	1.34	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Manganese, Total	169		mg/kg	0.871	0.138	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Mercury, Total	ND		mg/kg	0.078	0.051	1	06/12/24 02:25	06/12/24 14:47	EPA 7471B	1,7471B	JWN
Nickel, Total	6.02		mg/kg	2.18	0.211	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Potassium, Total	438		mg/kg	218	12.5	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Selenium, Total	ND		mg/kg	1.74	0.225	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Silver, Total	ND		mg/kg	0.436	0.246	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Sodium, Total	198		mg/kg	174	2.74	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Thallium, Total	ND		mg/kg	1.74	0.274	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Vanadium, Total	9.36		mg/kg	0.871	0.177	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM
Zinc, Total	27.4		mg/kg	4.36	0.255	2	06/12/24 01:16	06/12/24 17:06	EPA 3050B	1,6010D	HJM

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-07
Client ID: FB 2024-06-05
Sample Location: BRONX, NY
Date Collected: 06/05/24 12:30
Date Received: 06/05/24
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	ND		mg/l	0.100	0.0318	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Iron, Total	ND		mg/l	0.0500	0.0090	1	06/11/24 21:35	06/12/24 20:33	EPA 3005A	1,6010D	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/11/24 23:52	06/12/24 19:48	EPA 7470A	1,7470A	DJR
Nickel, Total	ND		mg/l	0.0250	0.0024	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Potassium, Total	ND		mg/l	2.50	0.237	1	06/11/24 21:35	06/12/24 20:33	EPA 3005A	1,6010D	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Sodium, Total	ND		mg/l	2.00	0.120	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA
Zinc, Total	ND		mg/l	0.0500	0.0021	1	06/11/24 21:35	06/12/24 21:06	EPA 3005A	1,6010D	TAA

Project Name: SA 101 EAST 150TH **Lab Number:** L2431297

Project Number: 41.0163097.00 **Report Date:** 06/25/24

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): 01-06 Batch: WG1932719-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Antimony, Total	ND		mg/kg	2.00	0.152	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Barium, Total	ND		mg/kg	0.400	0.070	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Beryllium, Total	ND		mg/kg	0.200	0.013	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Calcium, Total	ND		mg/kg	4.00	1.40	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Cobalt, Total	ND		mg/kg	0.800	0.066	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Copper, Total	ND		mg/kg	0.400	0.103	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Iron, Total	0.689	J	mg/kg	2.00	0.361	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Lead, Total	ND		mg/kg	2.00	0.107	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Magnesium, Total	ND		mg/kg	4.00	0.616	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Manganese, Total	ND		mg/kg	0.400	0.064	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Nickel, Total	ND		mg/kg	1.00	0.097	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Potassium, Total	ND		mg/kg	100	5.76	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Silver, Total	ND		mg/kg	0.200	0.113	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Sodium, Total	ND		mg/kg	80.0	1.26	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Thallium, Total	ND		mg/kg	0.800	0.126	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Vanadium, Total	ND		mg/kg	0.400	0.081	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM
Zinc, Total	ND		mg/kg	2.00	0.117	1	06/12/24 01:16	06/12/24 13:35	1,6010D	HJM

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1932723-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/12/24 02:25	06/12/24 13:21	1,7471B	JWN

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

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): 07 Batch: WG1932754-1										
Aluminum, Total	ND		mg/l	0.100	0.0318	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Antimony, Total	ND		mg/l	0.0500	0.0071	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Arsenic, Total	ND		mg/l	0.0050	0.0019	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Barium, Total	ND		mg/l	0.0100	0.0021	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Beryllium, Total	ND		mg/l	0.0050	0.0009	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Calcium, Total	ND		mg/l	0.100	0.0350	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Chromium, Total	ND		mg/l	0.0100	0.0021	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Cobalt, Total	ND		mg/l	0.0200	0.0017	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Copper, Total	ND		mg/l	0.0100	0.0022	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Iron, Total	ND		mg/l	0.0500	0.0090	1	06/11/24 21:35	06/12/24 20:21	1,6010D	TAA
Lead, Total	ND		mg/l	0.0100	0.0027	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Magnesium, Total	ND		mg/l	0.100	0.0153	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Manganese, Total	ND		mg/l	0.0100	0.0016	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Nickel, Total	ND		mg/l	0.0250	0.0024	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Potassium, Total	ND		mg/l	2.50	0.237	1	06/11/24 21:35	06/12/24 20:21	1,6010D	TAA
Selenium, Total	ND		mg/l	0.0100	0.0035	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Silver, Total	ND		mg/l	0.0070	0.0028	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Sodium, Total	ND		mg/l	2.00	0.120	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Thallium, Total	ND		mg/l	0.0200	0.0025	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Vanadium, Total	ND		mg/l	0.0100	0.0020	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA
Zinc, Total	ND		mg/l	0.0500	0.0021	1	06/11/24 21:35	06/12/24 20:53	1,6010D	TAA

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2431297
Report Date: 06/25/24

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): 07 Batch: WG1932835-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	06/11/24 23:52	06/12/24 19:04	1,7470A	DJR

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1932719-2								
Aluminum, Total	98		-		80-120	-		
Antimony, Total	100		-		80-120	-		
Arsenic, Total	95		-		80-120	-		
Barium, Total	99		-		80-120	-		
Beryllium, Total	101		-		80-120	-		
Cadmium, Total	97		-		80-120	-		
Calcium, Total	101		-		80-120	-		
Chromium, Total	96		-		80-120	-		
Cobalt, Total	93		-		80-120	-		
Copper, Total	98		-		80-120	-		
Iron, Total	103		-		80-120	-		
Lead, Total	99		-		80-120	-		
Magnesium, Total	99		-		80-120	-		
Manganese, Total	96		-		80-120	-		
Nickel, Total	96		-		80-120	-		
Potassium, Total	103		-		80-120	-		
Selenium, Total	101		-		80-120	-		
Silver, Total	100		-		80-120	-		
Sodium, Total	106		-		80-120	-		
Thallium, Total	103		-		80-120	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1932719-2					
Zinc, Total	95	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1932723-2					
Mercury, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1932754-2					
Aluminum, Total	104	-	80-120	-	
Antimony, Total	98	-	80-120	-	
Arsenic, Total	100	-	80-120	-	
Barium, Total	100	-	80-120	-	
Beryllium, Total	102	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	100	-	80-120	-	
Chromium, Total	101	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	102	-	80-120	-	
Iron, Total	108	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	102	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	109	-	80-120	-	
Selenium, Total	99	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1932754-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 07 Batch: WG1932835-2					
Mercury, Total	84	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 01-06 (5'BGS)	QC Batch ID: WG1932719-3			WG1932719-4		QC Sample: L2431297-02			Client ID: EP-55			
Aluminum, Total	6070	173	7540	**848**	Q	7220	**662**	Q	75-125	4		20
Antimony, Total	ND	43.3	35.9	83		34.9	80		75-125	3		20
Arsenic, Total	2.43	10.4	15.2	123		11.9	91		75-125	**24**	Q	20
Barium, Total	28.0	173	192	94		184	90		75-125	4		20
Beryllium, Total	0.320J	4.33	4.27	98		4.24	98		75-125	1		20
Cadmium, Total	ND	4.59	4.02	87		3.90	85		75-125	3		20
Calcium, Total	2060	867	3250	**137**	Q	3190	**130**	Q	75-125	2		20
Chromium, Total	10.7	17.3	27.2	95		25.6	86		75-125	6		20
Cobalt, Total	3.58	43.3	42.5	90		41.2	87		75-125	3		20
Copper, Total	8.33	21.7	29.2	96		29.6	98		75-125	1		20
Iron, Total	9450	86.7	10200	**865**	Q	10200	**864**	Q	75-125	0		20
Lead, Total	15.9	45.9	58.8	93		55.9	87		75-125	5		20
Magnesium, Total	1660	867	2510	98		2490	96		75-125	1		20
Manganese, Total	334	43.3	379	104		352	**41**	Q	75-125	7		20
Nickel, Total	7.28	43.3	47.4	92		46.2	90		75-125	3		20
Potassium, Total	477	867	1410	108		1380	104		75-125	2		20
Selenium, Total	0.330J	10.4	9.91	95		9.31	89		75-125	6		20
Silver, Total	ND	4.33	4.04	93		3.93	90		75-125	3		20
Sodium, Total	122J	867	978	113		949	109		75-125	3		20
Thallium, Total	ND	10.4	9.43	91		9.28	89		75-125	2		20
Vanadium, Total	11.0	43.3	50.7	92		49.6	89		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 01-06 (5'BGS)	QC Batch ID: WG1932719-3				WG1932719-4		QC Sample: L2431297-02	Client ID: EP-55	
Zinc, Total	29.9	43.3	70.4	93	77.0	108	75-125	9	20
Total Metals - Mansfield Lab Associated sample(s): 01-06 (5'BGS)	QC Batch ID: WG1932723-3				WG1932723-4		QC Sample: L2431297-02	Client ID: EP-55	
Mercury, Total	0.071J	1.64	1.77	108	1.67	106	80-120	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 07 QC Batch ID: WG1932754-3 QC Sample: L2431297-07 Client ID: FB 2024-06-05									
Aluminum, Total	ND	2	2.14	107	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.494	99	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Barium, Total	ND	2	2.04	102	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.0527	105	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.0547	103	-	-	75-125	-	20
Calcium, Total	ND	10	10.2	102	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.204	102	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.496	99	-	-	75-125	-	20
Copper, Total	ND	0.25	0.257	103	-	-	75-125	-	20
Iron, Total	ND	1	1.07	107	-	-	75-125	-	20
Lead, Total	ND	0.53	0.536	101	-	-	75-125	-	20
Magnesium, Total	ND	10	10.4	104	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.522	104	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.506	101	-	-	75-125	-	20
Potassium, Total	ND	10	11.0	110	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.121	101	-	-	75-125	-	20
Silver, Total	ND	0.05	0.0528	106	-	-	75-125	-	20
Sodium, Total	ND	10	10.9	109	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.120	100	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.510	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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): 07 QC Batch ID: WG1932754-3 QC Sample: L2431297-07 Client ID: FB 2024-06-05									
Zinc, Total	ND	0.5	0.505	101	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1932835-3 WG1932835-4 QC Sample: L2431020-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00432	86	0.00443	89	75-125	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1932754-4 QC Sample: L2431297-07 Client ID: FB 2024-06-05						
Aluminum, Total	ND	ND	mg/l	NC		20
Antimony, Total	ND	ND	mg/l	NC		20
Arsenic, Total	ND	ND	mg/l	NC		20
Barium, Total	ND	ND	mg/l	NC		20
Beryllium, Total	ND	ND	mg/l	NC		20
Cadmium, Total	ND	ND	mg/l	NC		20
Calcium, Total	ND	ND	mg/l	NC		20
Chromium, Total	ND	ND	mg/l	NC		20
Cobalt, Total	ND	ND	mg/l	NC		20
Copper, Total	ND	ND	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Magnesium, Total	ND	ND	mg/l	NC		20
Manganese, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Selenium, Total	ND	ND	mg/l	NC		20
Silver, Total	ND	ND	mg/l	NC		20
Sodium, Total	ND	ND	mg/l	NC		20
Thallium, Total	ND	ND	mg/l	NC		20
Vanadium, Total	ND	ND	mg/l	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1932754-4 QC Sample: L2431297-07 Client ID: FB 2024-06-05					
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 07 QC Batch ID: WG1932754-4 QC Sample: L2431297-07 Client ID: FB 2024-06-05					
Iron, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2431297
Report Date: 06/25/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1932719-6 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)						
Aluminum, Total	6070	6160	mg/kg	1		20
Barium, Total	28.0	29.1	mg/kg	4		20
Calcium, Total	2060	2120	mg/kg	3		20
Iron, Total	9450	9800	mg/kg	4		20
Magnesium, Total	1660	1700	mg/kg	2		20
Manganese, Total	334	347	mg/kg	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-01
Client ID: EP-46 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:15
Date Received: 06/05/24
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	90.3		%	0.100	NA	1	-	06/06/24 13:08	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-02
Client ID: EP-55 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 10:35
Date Received: 06/05/24
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	88.8		%	0.100	NA	1	-	06/06/24 13:08	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-03
Client ID: EP-51 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 11:00
Date Received: 06/05/24
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	91.4		%	0.100	NA	1	-	06/06/24 13:08	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-04
Client ID: EP-54 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:10
Date Received: 06/05/24
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	89.6		%	0.100	NA	1	-	06/06/24 13:08	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-05
Client ID: EP-50 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 13:50
Date Received: 06/05/24
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	-	06/06/24 13:08	121,2540G	ROI

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

SAMPLE RESULTS

Lab ID: L2431297-06
Client ID: FD-4 2024-06-05 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 06/05/24 00:00
Date Received: 06/05/24
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	-	06/06/24 13:08	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2431297

Report Date: 06/25/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1930627-1 QC Sample: L2431297-02 Client ID: EP-55 (5'BGS)						
Solids, Total	88.8	87.8	%	1		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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(*)
L2431297-01A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-01B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-01C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-01D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-01E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2431297-01F	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-02A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-02A1	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-02A2	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-02B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02B1	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02B2	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02C1	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02C2	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-02D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-02D1	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-02D2	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431297-02E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2431297-02E1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2431297-02E2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2431297-02F	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-02F1	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-02F2	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-03A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-03B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-03C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-03D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-03E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)
L2431297-03F	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-04A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-04B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-04C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-04D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-04E	Plastic 2oz unpreserved for TS	A	NA		2.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431297-04F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	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),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2431297-04G	Plastic 8oz unpreserved	A	NA		2.2	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2431297-04H	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-05A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-05B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-05C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-05D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-05E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	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),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2431297-05F	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-06A	Vial MeOH preserved	B	NA		5.5	Y	Absent		NYTCL-8260HLW(14)
L2431297-06B	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-06C	Vial water preserved	B	NA		5.5	Y	Absent	06-JUN-24 12:06	NYTCL-8260HLW(14)
L2431297-06D	Plastic 120ml unpreserved	B	NA		5.5	Y	Absent		TS(7)
L2431297-06E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		5.5	Y	Absent		BE-TI(180),BA-TI(180),AS-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),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2431297-06F	Glass 250ml/8oz unpreserved	B	NA		5.5	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2431297-07A	Vial HCl preserved	B	NA		5.5	Y	Absent		NYTCL-8260(14)
L2431297-07B	Vial HCl preserved	B	NA		5.5	Y	Absent		NYTCL-8260(14)
L2431297-07C	Vial HCl preserved	B	NA		5.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2431297-07D	Plastic 250ml HNO3 preserved	B	<2	<2	5.5	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),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2431297-07E	Amber 100ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2431297-07F	Amber 100ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2431297-07G	Amber 120ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2431297-07H	Amber 120ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2431297-07I	Amber 120ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2431297-07J	Amber 120ml unpreserved	B	7	7	5.5	Y	Absent		NYTCL-8081(7),NYTCL-8082-LVI(365)
L2431297-07K	Amber 250ml unpreserved	B	7	7	5.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2431297-07L	Amber 250ml unpreserved	B	7	7	5.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2431297-08A	Plastic 500ml unpreserved	A	NA		2.2	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2431297-09A	Vial HCl preserved	B	NA		5.5	Y	Absent		NYTCL-8260(14)
L2431297-09B	Vial HCl preserved	B	NA		5.5	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2431297
Report Date: 06/25/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2431297
Project Number:	41.0163097.00	**Report Date:**	06/25/24

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.

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

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Nonpotable Water: EPA RSK-175 Dissolved Gases
Biological Tissue Matrix: EPA 3050B

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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 2

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

ALPHA Job #: L2431297

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-493-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
31297 -01	EP-46 (5' bgs)	6/5/24	10:15	S	JN	X	X	X	X	X					
-02	EP-55 (5' bgs)		10:35												
-02	MS-4 EP-55		10:40												
-02	MSD-4 EP-55		10:45												
-03	EP-51 (5' bgs)		11:00												
-04	EP-54 (5' bgs)		13:10								X				
-05	EP-50 (5' bgs)		13:50												
-06	FD-4 2024-06-05 (5' bgs)		-	↓											
-07	FB 2024-06-05		12:30	W		↓	↓	↓	↓	↓					
-08	FB PFAS 2024-06-05	↓	14:00	W	↓	✗					X				

Container Type: V G G G G P
Preservative: A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	6/5/24 15:45	OMAN PACE	6-5-24 15:45
OMAN PACE	6/5/24 1805		6/5/24 18:55
	6/5/24		6/5 2200
	6/6 120		6/6/24 0120

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: 616124

ALPHA Job #: L2431297

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email:

Project Information

Project Name: SA 101 @ 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time

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

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
3297 -09	TB 2024-06-05	6/5/24	-	W	JN	X	X	X	X	X	X				

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

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

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

Container Type									
Preservative									

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	6/5/24 15:45	OMAN Pace	6-5-24 15:45
OMAN Pace	6/5/24 1805		6/5/24 18:55
	6/6/24 0120		6/5 2200
			6/6/24 0120

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:	L2433652
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 EAST 150TH
Project Number:	41.0163097.00
Report Date:	06/17/24

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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2433652-01	EP-43 (5.5' BGS)	SOIL	101 EAST 150TH ST., BRONX, NY	06/14/24 10:00	06/14/24
L2433652-02	FB-2024-06-14	WATER	101 EAST 150TH ST., BRONX, NY	06/14/24 10:10	06/14/24
L2433652-03	TB-2024-06-14	WATER	101 EAST 150TH ST., BRONX, NY	06/14/24 00:00	06/14/24

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

Case Narrative

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

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

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

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

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

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

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

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.

Sample Receipt

The analyses performed were specified by the client.

L2433652-02: Sample containers for 1,4 Dioxane via EPA 8270E-SIM were received, but not listed on the chain of custody. At the client's request, the analysis was not performed.

Semivolatile Organics

The WG1934854-2 LCS recovery, associated with L2433652-02, is below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

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

Authorized Signature: Kelly O'Neill

Title: Technical Director/Representative Date: 06/17/24

ORGANICS

VOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-03
Client ID: TB-2024-06-14
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 06/14/24 00:00
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 06/15/24 16:21
Analyst: PID

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 EAST 150TH **Lab Number:** L2433652

Project Number: 41.0163097.00 **Report Date:** 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-03 Date Collected: 06/14/24 00:00

Client ID: TB-2024-06-14 Date Received: 06/14/24

Sample Location: 101 EAST 150TH ST., 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	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: SA 101 EAST 150TH
Lab Number: L2433652
Project Number: 41.0163097.00
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-03
Client ID: TB-2024-06-14
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 06/14/24 00:00
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	104		70-130

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:39
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935137-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:39
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935137-5					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:39
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935137-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds		
No Tentatively Identified Compounds	ND	ug/l

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 06/15/24 10:39
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1935137-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935137-3 WG1935137-4								
Methylene chloride	97		100		70-130	3		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	93		95		63-130	2		20
1,1,2-Trichloroethane	110		100		70-130	10		20
Tetrachloroethene	98		96		70-130	2		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	150		**160**	Q	62-150	6		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		110		67-130	10		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	100		100		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	85		89		54-136	5		20
1,1,2,2-Tetrachloroethane	110		120		67-130	9		20
Benzene	110		110		70-130	0		20
Toluene	100		110		70-130	10		20
Ethylbenzene	110		110		70-130	0		20
Chloromethane	85		87		64-130	2		20
Bromomethane	97		96		39-139	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935137-3 WG1935137-4								
Vinyl chloride	120		120		55-140	0		20
Chloroethane	**190**	Q	**190**	Q	55-138	0		20
1,1-Dichloroethene	94		94		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	95		100		70-130	5		20
1,2-Dichlorobenzene	98		100		70-130	2		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	88		92		63-130	4		20
p/m-Xylene	105		110		70-130	5		20
o-Xylene	105		110		70-130	5		20
cis-1,2-Dichloroethene	100		110		70-130	10		20
Dibromomethane	100		110		70-130	10		20
1,2,3-Trichloropropane	96		110		64-130	14		20
Acrylonitrile	110		110		70-130	0		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	89		92		36-147	3		20
Acetone	100		100		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	95		99		63-138	4		20
Vinyl acetate	**180**	Q	**170**	Q	70-130	6		20
4-Methyl-2-pentanone	88		93		59-130	6		20
2-Hexanone	84		90		57-130	7		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935137-3 WG1935137-4								
Bromochloromethane	100		110		70-130	10		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	92		98		70-130	6		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	91		95		70-130	4		20
n-Butylbenzene	110		120		53-136	9		20
sec-Butylbenzene	100		110		70-130	10		20
tert-Butylbenzene	99		100		70-130	1		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	75		80		41-144	6		20
Hexachlorobutadiene	84		87		63-130	4		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	79		86		70-130	8		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	82		87		70-130	6		20
1,2,4-Trichlorobenzene	84		87		70-130	4		20
1,3,5-Trimethylbenzene	100		110		64-130	10		20
1,2,4-Trimethylbenzene	100		110		70-130	10		20
1,4-Dioxane	86		94		56-162	9		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1935137-3 WG1935137-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	92		98		70-130	6		20
Ethyl ether	**140**	Q	**140**	Q	59-134	0		20
trans-1,4-Dichloro-2-butene	91		97		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	106		105		70-130
4-Bromofluorobenzene	94		93		70-130
Dibromofluoromethane	108		105		70-130

SEMIVOLATILES

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-01
Client ID: EP-43 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 06/14/24 10:00
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/16/24 17:34
Analyst: CMM
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 06/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	61	J	ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	390		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	40	J	ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2433652

Project Number: 41.0163097.00 **Report Date:** 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-01 Date Collected: 06/14/24 10:00

Client ID: EP-43 (5.5' BGS) Date Received: 06/14/24

Sample Location: 101 EAST 150TH ST., 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	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	190		ug/kg	120	22.	1
Benzo(a)pyrene	180		ug/kg	160	48.	1
Benzo(b)fluoranthene	230		ug/kg	120	33.	1
Benzo(k)fluoranthene	75	J	ug/kg	120	31.	1
Chrysene	160		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	73	J	ug/kg	120	38.	1
Benzo(ghi)perylene	120	J	ug/kg	160	23.	1
Fluorene	36	J	ug/kg	200	19.	1
Phenanthrene	280		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	29	J	ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	160	27.	1
Pyrene	330		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	23	J	ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1

Project Name: SA 101 EAST 150TH **Lab Number:** L2433652

Project Number: 41.0163097.00 **Report Date:** 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-01 Date Collected: 06/14/24 10:00

Client ID: EP-43 (5.5' BGS) Date Received: 06/14/24

Sample Location: 101 EAST 150TH ST., 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	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	40	J	ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1
Tentatively Identified Compounds						
Total TIC Compounds	452	J	ug/kg			1
Unknown	232	J	ug/kg			1
Unknown Alkene	220	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	58		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	56		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-02
Client ID: FB-2024-06-14
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 06/14/24 10:10
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 06/16/24 17:52
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

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: SA 101 EAST 150TH
Lab Number: L2433652
Project Number: 41.0163097.00
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-02
Client ID: FB-2024-06-14
Sample Location: 101 EAST 150TH ST., BRONX, NY
Date Collected: 06/14/24 10:10
Date Received: 06/14/24
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	4.00	J	ug/l			1
Unknown	4.00	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	64		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-02
Client ID: FB-2024-06-14
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 06/14/24 10:10
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 06/17/24 08:53
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

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	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.03	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	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	ND		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	ND		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: SA 101 EAST 150TH **Lab Number:** L2433652

Project Number: 41.0163097.00 **Report Date:** 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-02 Date Collected: 06/14/24 10:10

Client ID: FB-2024-06-14 Date Received: 06/14/24

Sample Location: 101 EAST 150TH ST., 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	44		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	71		10-120
4-Terphenyl-d14	81		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 16:26
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 06/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1934796-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 16:26
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 06/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1934796-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 16:26
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 06/15/24 09:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1934796-1					
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	80		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	80		18-120

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 15:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1934854-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 15:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1934854-1					
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: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 15:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1934854-1					
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	20.4	J	ug/l
Unknown	4.10	J	ug/l
Unknown	7.20	J	ug/l
Unknown	4.20	J	ug/l
Unknown	4.90	J	ug/l

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/16/24 15:31
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1934854-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	46		21-120
Phenol-d6	31		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	62		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	67		41-149

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/17/24 07:48
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1934857-1					
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	0.09	J	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	0.49	J	ug/l	0.80	0.06
Hexachlorobenzene	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.02

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00
Lab Number: L2433652
Report Date: 06/17/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 06/17/24 07:48
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 06/15/24 15:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 02 Batch: WG1934857-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	63		10-120
4-Terphenyl-d14	80		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1934796-2 WG1934796-3								
Acenaphthene	80		76		31-137	5		50
1,2,4-Trichlorobenzene	77		72		38-107	7		50
Hexachlorobenzene	84		78		40-140	7		50
Bis(2-chloroethyl)ether	86		80		40-140	7		50
2-Chloronaphthalene	78		65		40-140	18		50
1,2-Dichlorobenzene	78		73		40-140	7		50
1,3-Dichlorobenzene	76		69		40-140	10		50
1,4-Dichlorobenzene	75		71		28-104	5		50
3,3'-Dichlorobenzidine	64		62		40-140	3		50
2,4-Dinitrotoluene	95		87		40-132	9		50
2,6-Dinitrotoluene	88		74		40-140	17		50
Fluoranthene	80		85		40-140	6		50
4-Chlorophenyl phenyl ether	82		74		40-140	10		50
4-Bromophenyl phenyl ether	83		77		40-140	8		50
Bis(2-chloroisopropyl)ether	60		60		40-140	0		50
Bis(2-chloroethoxy)methane	86		76		40-117	12		50
Hexachlorobutadiene	79		76		40-140	4		50
Hexachlorocyclopentadiene	67		57		40-140	16		50
Hexachloroethane	84		78		40-140	7		50
Isophorone	86		83		40-140	4		50
Naphthalene	74		72		40-140	3		50
Nitrobenzene	89		76		40-140	16		50
NDPA/DPA	83		76		36-157	9		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1934796-2 WG1934796-3								
n-Nitrosodi-n-propylamine	87		80		32-121	8		50
Bis(2-ethylhexyl)phthalate	83		78		40-140	6		50
Butyl benzyl phthalate	94		88		40-140	7		50
Di-n-butylphthalate	90		91		40-140	1		50
Di-n-octylphthalate	105		98		40-140	7		50
Diethyl phthalate	86		79		40-140	8		50
Dimethyl phthalate	78		65		40-140	18		50
Benzo(a)anthracene	85		80		40-140	6		50
Benzo(a)pyrene	94		84		40-140	11		50
Benzo(b)fluoranthene	90		82		40-140	9		50
Benzo(k)fluoranthene	91		84		40-140	8		50
Chrysene	86		80		40-140	7		50
Acenaphthylene	75		64		40-140	16		50
Anthracene	86		79		40-140	8		50
Benzo(ghi)perylene	86		52		40-140	49		50
Fluorene	81		75		40-140	8		50
Phenanthrene	81		76		40-140	6		50
Dibenzo(a,h)anthracene	84		51		40-140	49		50
Indeno(1,2,3-cd)pyrene	89		54		40-140	49		50
Pyrene	75		79		35-142	5		50
Biphenyl	66		55		37-127	18		50
4-Chloroaniline	82		75		40-140	9		50
2-Nitroaniline	94		76		47-134	21		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1934796-2 WG1934796-3								
3-Nitroaniline	75		71		26-129	5		50
4-Nitroaniline	87		79		41-125	10		50
Dibenzofuran	79		73		40-140	8		50
2-Methylnaphthalene	77		65		40-140	17		50
1,2,4,5-Tetrachlorobenzene	68		59		40-117	14		50
Acetophenone	76		67		14-144	13		50
2,4,6-Trichlorophenol	85		72		30-130	17		50
p-Chloro-m-cresol	93		84		26-103	10		50
2-Chlorophenol	90		84		25-102	7		50
2,4-Dichlorophenol	87		76		30-130	13		50
2,4-Dimethylphenol	99		86		30-130	14		50
2-Nitrophenol	103		97		30-130	6		50
4-Nitrophenol	112		103		11-114	8		50
2,4-Dinitrophenol	94		86		4-130	9		50
4,6-Dinitro-o-cresol	100		91		10-130	9		50
Pentachlorophenol	73		68		17-109	7		50
Phenol	85		81		26-90	5		50
2-Methylphenol	90		85		30-130.	6		50
3-Methylphenol/4-Methylphenol	94		90		30-130	4		50
2,4,5-Trichlorophenol	85		70		30-130	19		50
Benzoic Acid	70		61		10-110	14		50
Benzyl Alcohol	93		85		40-140	9		50
Carbazole	85		79		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1934796-2 WG1934796-3								
1,4-Dioxane	53		40		40-140	28		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	86		81		25-120
Phenol-d6	84		76		10-120
Nitrobenzene-d5	83		73		23-120
2-Fluorobiphenyl	70		59		30-120
2,4,6-Tribromophenol	89		79		10-136
4-Terphenyl-d14	76		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1934854-2 WG1934854-3								
Acenaphthene	68		68		37-111	0		30
1,2,4-Trichlorobenzene	48		52		39-98	8		30
Hexachlorobenzene	66		66		40-140	0		30
Bis(2-chloroethyl)ether	72		67		40-140	7		30
2-Chloronaphthalene	61		60		40-140	2		30
1,2-Dichlorobenzene	55		57		40-140	4		30
1,3-Dichlorobenzene	51		54		40-140	6		30
1,4-Dichlorobenzene	53		54		36-97	2		30
3,3'-Dichlorobenzidine	80		81		40-140	1		30
2,4-Dinitrotoluene	77		74		48-143	4		30
2,6-Dinitrotoluene	73		72		40-140	1		30
Fluoranthene	76		73		40-140	4		30
4-Chlorophenyl phenyl ether	62		62		40-140	0		30
4-Bromophenyl phenyl ether	67		66		40-140	2		30
Bis(2-chloroisopropyl)ether	62		62		40-140	0		30
Bis(2-chloroethoxy)methane	73		69		40-140	6		30
Hexachlorobutadiene	40		47		40-140	16		30
Hexachlorocyclopentadiene	40		**39**	Q	40-140	3		30
Hexachloroethane	51		52		40-140	2		30
Isophorone	74		68		40-140	8		30
Naphthalene	60		61		40-140	2		30
Nitrobenzene	72		70		40-140	3		30
NDPA/DPA	70		71		40-140	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1934854-2 WG1934854-3								
n-Nitrosodi-n-propylamine	68		68		29-132	0		30
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		30
Butyl benzyl phthalate	90		93		40-140	3		30
Di-n-butylphthalate	80		82		40-140	2		30
Di-n-octylphthalate	90		89		40-140	1		30
Diethyl phthalate	78		78		40-140	0		30
Dimethyl phthalate	72		69		40-140	4		30
Benzo(a)anthracene	75		74		40-140	1		30
Benzo(a)pyrene	80		79		40-140	1		30
Benzo(b)fluoranthene	80		77		40-140	4		30
Benzo(k)fluoranthene	71		68		40-140	4		30
Chrysene	70		66		40-140	6		30
Acenaphthylene	66		66		45-123	0		30
Anthracene	70		71		40-140	1		30
Benzo(ghi)perylene	76		73		40-140	4		30
Fluorene	68		66		40-140	3		30
Phenanthrene	70		68		40-140	3		30
Dibenzo(a,h)anthracene	78		71		40-140	9		30
Indeno(1,2,3-cd)pyrene	75		70		40-140	7		30
Pyrene	78		73		26-127	7		30
Biphenyl	61		61		40-140	0		30
4-Chloroaniline	58		59		40-140	2		30
2-Nitroaniline	86		77		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1934854-2 WG1934854-3								
3-Nitroaniline	80		78		25-145	3		30
4-Nitroaniline	82		82		51-143	0		30
Dibenzofuran	65		64		40-140	2		30
2-Methylnaphthalene	60		60		40-140	0		30
1,2,4,5-Tetrachlorobenzene	51		50		2-134	2		30
Acetophenone	74		69		39-129	7		30
2,4,6-Trichlorophenol	43		77		30-130	**57**	Q	30
p-Chloro-m-cresol	66		70		23-97	6		30
2-Chlorophenol	45		70		27-123	**43**	Q	30
2,4-Dichlorophenol	45		73		30-130	**47**	Q	30
2,4-Dimethylphenol	69		64		30-130	8		30
2-Nitrophenol	49		84		30-130	**53**	Q	30
4-Nitrophenol	31		47		10-80	**41**	Q	30
2,4-Dinitrophenol	49		87		20-130	**56**	Q	30
4,6-Dinitro-o-cresol	49		86		20-164	**55**	Q	30
Pentachlorophenol	43		84		9-103	**65**	Q	30
Phenol	29		36		12-110	22		30
2-Methylphenol	66		66		30-130	0		30
3-Methylphenol/4-Methylphenol	60		59		30-130	2		30
2,4,5-Trichlorophenol	46		72		30-130	**44**	Q	30
Benzoic Acid	**0**	Q	29		10-164	NC		30
Benzyl Alcohol	69		61		26-116	12		30
Carbazole	78		75		55-144	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02 Batch: WG1934854-2 WG1934854-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	29		48		21-120
Phenol-d6	30		39		10-120
Nitrobenzene-d5	73		72		23-120
2-Fluorobiphenyl	69		63		15-120
2,4,6-Tribromophenol	46		76		10-120
4-Terphenyl-d14	68		67		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1934857-2 WG1934857-3								
Acenaphthene	69		69		40-140	0		40
2-Chloronaphthalene	63		64		40-140	2		40
Fluoranthene	81		80		40-140	1		40
Hexachlorobutadiene	44		48		40-140	9		40
Naphthalene	57		59		40-140	3		40
Benzo(a)anthracene	74		73		40-140	1		40
Benzo(a)pyrene	83		82		40-140	1		40
Benzo(b)fluoranthene	81		78		40-140	4		40
Benzo(k)fluoranthene	76		79		40-140	4		40
Chrysene	71		71		40-140	0		40
Acenaphthylene	74		73		40-140	1		40
Anthracene	74		73		40-140	1		40
Benzo(ghi)perylene	79		79		40-140	0		40
Fluorene	74		73		40-140	1		40
Phenanthrene	72		72		40-140	0		40
Dibenzo(a,h)anthracene	88		89		40-140	1		40
Indeno(1,2,3-cd)pyrene	86		87		40-140	1		40
Pyrene	82		80		40-140	2		40
2-Methylnaphthalene	62		62		40-140	0		40
Pentachlorophenol	42		75		40-140	**56**	Q	40
Hexachlorobenzene	71		70		40-140	1		40
Hexachloroethane	44		50		40-140	13		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 02 Batch: WG1934857-2 WG1934857-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	26		49		21-120
Phenol-d6	25		36		10-120
Nitrobenzene-d5	77		77		23-120
2-Fluorobiphenyl	72		70		15-120
2,4,6-Tribromophenol	47		76		10-120
4-Terphenyl-d14	79		77		41-149

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

SAMPLE RESULTS

Lab ID: L2433652-01
Client ID: EP-43 (5.5' BGS)
Sample Location: 101 EAST 150TH ST., BRONX, NY

Date Collected: 06/14/24 10:00
Date Received: 06/14/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	06/15/24 05:07	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 EAST 150TH

Project Number: 41.0163097.00

Lab Number: L2433652

Report Date: 06/17/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1934710-1 QC Sample: L2433652-01 Client ID: EP-43 (5.5' BGS)						
Solids, Total	83.6	84.1	%	1		20

Project Name: SA 101 EAST 150TH
Project Number: 41.0163097.00

Lab Number: L2433652
Report Date: 06/17/24

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(*)
L2433652-01A	Glass 250ml/8oz unpreserved	A	NA		2.8	Y	Absent		NYTCL-8270(14),TS(7)
L2433652-02A	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2433652-02B	Amber 100ml unpreserved	A	7	7	2.8	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2433652-02C	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		HOLD-1,4DIOX(7)
L2433652-02D	Amber 250ml unpreserved	A	7	7	2.8	Y	Absent		HOLD-1,4DIOX(7)
L2433652-03A	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)
L2433652-03B	Vial HCl preserved	A	NA		2.8	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

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:	SA 101 EAST 150TH	**Lab Number:**	L2433652
Project Number:	41.0163097.00	**Report Date:**	06/17/24

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 YORK CHAIN OF CUSTODY

ALPHA

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FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 6/15/24

ALPHA Job #: L2433652

Client Information

Client: GZA GeoEnvironmental
Address: 104 W. 29th St.
NY, NY, 10001
Phone:
Fax:
Email: Reinbill.Mariquez@gza.com

Project Information

Project Name: SA 101 E. 150th
Project Location: Bronx, NY
Project #: 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Mariquez
ALPHAQuote #:

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 24-Hour

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:

★ 24-Hour TAT ★

Please specify Metals or TAL.

ANALYSIS

SVOC, 8270

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	SVOC, 8270	Sample Specific Comments
33652-01	EP-43 (5.5' bgs)	6/14/24	10:00	S	MD	X	
02	FB-2024-06-14	↓	10:10	W	↓	X	
03	TB-2024-06-14	↓	–	W	↓	X	

Container Type: A
Preservative: A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Matt DiLorenzo (GZA)	6/14/24 12:15	[illegible]	6/14/24 12:15
[illegible]	6/14/24 20:30	Anthony Green	JUN 14 2024 2000
Anthony Green	6/15/24 0350	[illegible]	6/15/24 0350

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)

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GEOTECHNICAL
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M E M O R A N D U M

To: Wendi Zheng
NYSDEC Region 2

From: Reinbill P. Maniquez, CHMM

Date: August 30, 2024

Re: Progress Report - Endpoint Sample Results

101 East 150th Street Project
Bronx, New York
BCP Site No. C203154

GZA GeoEnvironmental of New York (GZA) is pleased to submit the results of endpoint (EP) sample taken as part of the above-referenced New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154 (Site).

The EP laboratory analytical results are being submitted to document the progress of the excavation during the on-going Interim Remedial Measure (IRM). The IRM endpoint sample locations are shown on **Drawing 1** – IRM Endpoint Sample Results Map (see attached).

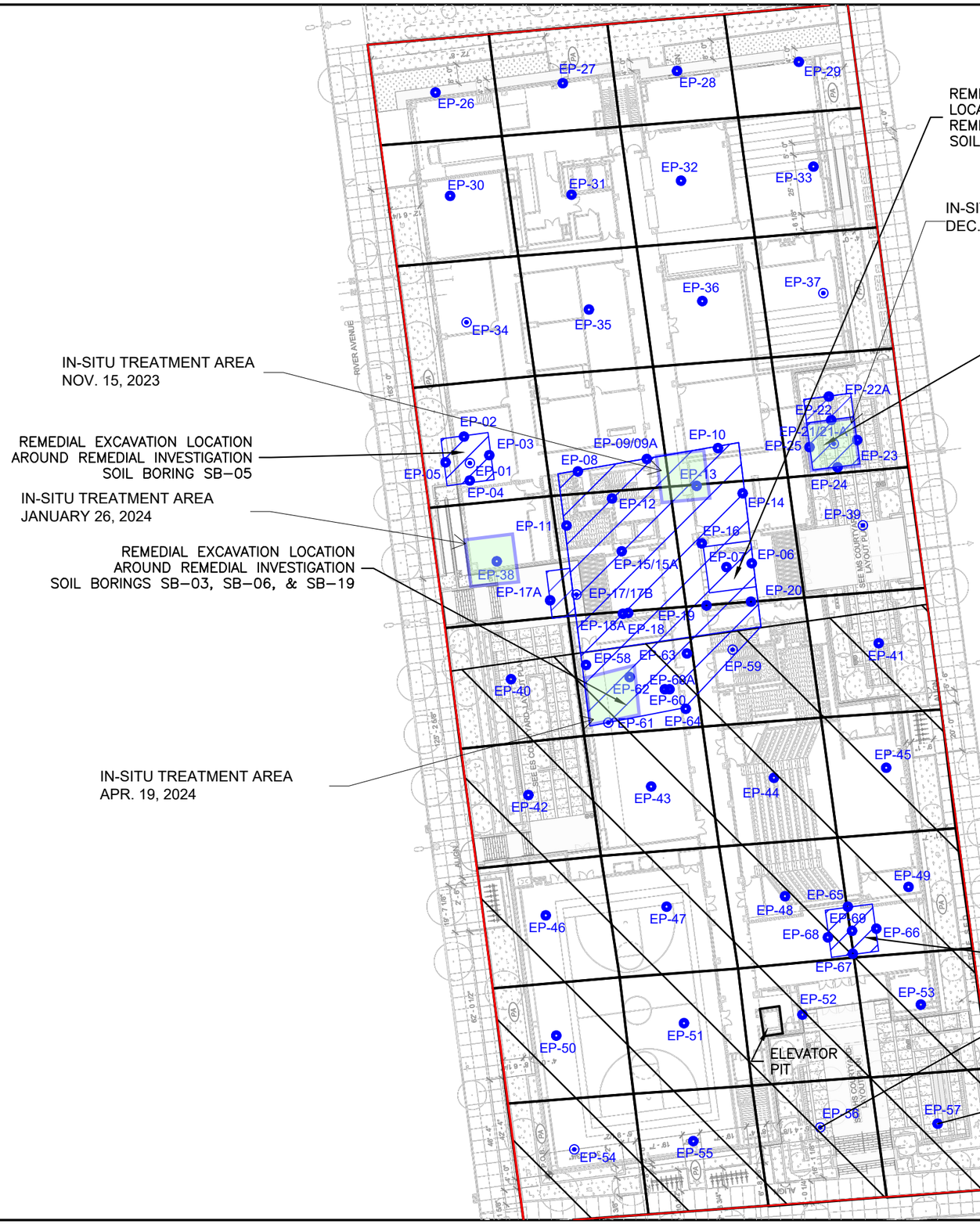
On July 16, GZA collected EP-56 and EP-57 at 5 feet below ground surface (bgs). The results are summarized in the following tables:

- Table 1: Volatile Organic Compounds (VOC) in Endpoint Soil Sample
- Table 2: Semi-volatile Organic Compounds (SVOC) in Endpoint Soil Sample
- Table 3: Total Metals in Endpoint Soil Sample
- Table 4: Pesticides and Polychlorinated Biphenyls (PCB) in Endpoint Soil Sample
- Table 5: Per- and Polyfluoroalkyl Substances (PFAS) in Endpoint Soil Samples

Drawing 1 shows the IRM endpoint sampling results compared to the soil cleanup objectives (SCOs). This memorandum also transmits to the NYSDEC the laboratory reports (Project ID No. L2439875) that were prepared by Alpha Analytical Laboratories (a subsidiary of Pace Analytical Laboratories) of Westborough, MA, a New York State Environmental Laboratory Approval Program (ELAP)-certified laboratory (see **Attachment A**).

An Equal Opportunity Employer M/F/V/H

FIGURES



REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–20

IN-SITU TREATMENT AREA DEC. 21, 2023

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–23

IN-SITU TREATMENT AREA NOV. 15, 2023

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–05

IN-SITU TREATMENT AREA JANUARY 26, 2024

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORINGS SB–03, SB–06, & SB–19

IN-SITU TREATMENT AREA APR. 19, 2024

REMEDIAL EXCAVATION LOCATION AROUND REMEDIAL INVESTIGATION SOIL BORING SB–14

EP-56 (5') - 07/16/2024	
Total Metals	
Lead, Total	69

EP-57 (5') - 07/16/2024
No Exceedances

0 25 50 100

SCALE IN FEET

GENERAL NOTES

1. BASE MAP DEVELOPED FROM DRAWING TITLED "SITE – LAYOUT PLAN", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$"=1'–0", DATED 05–26–2023.
2. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS AND ENDPOINT SAMPLES IN RELATION TO THE SUBJECT SITE. THIS DRAWING IS NOT CONSIDERED A LAND SURVEY. THE LOCATIONS SHOWN SHOULD BE CONSIDERED ACCURATE ONLY TO THE DEGREE IMPLIED BY THE METHOD USED.
3. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- EXTENT OF REMEDIAL EXCAVATION TO 2–FEET BELOW GROUND SURFACE DURING INTERIM REMEDIAL MEASURE – SOUTHERN EXTENT
- APPROXIMATE 2,500 SQUARE FOOT EXCAVATION AREA BOUNDARY
- REMEDIAL EXCAVATION LOCATION TO REMOVE SOIL WITH CHLORINATED VOLATILE ORGANIC COMPOUNDS ABOVE PROTECTION OF GROUNDWATER SOIL CLEANUP OBJECTIVES
- EP-40 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITHOUT PFAS ANALYSIS
- EP-54 PREVIOUSLY COLLECTED IRM ENDPOINT SAMPLE WITH PFAS ANALYSIS
- **IN-SITU TREATMENT AREAS**

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

INTERIM REMEDIAL MEASURE SOUTHERN EXTENT ENDPOINT SAMPLE LOCATION PLAN

PREPARED BY:		PREPARED FOR:	
GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com		586 RIVER AVE., LLC	
PROJ MGR: RPM	REVIEWED BY: RPM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	8
DATE: AUGUST 2024	PROJECT NO. 41.0163097.00	REVISION NO. -	SHEET NO.

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G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0163097.00 SE Spider Diagram_EPs.dwg [F8 – IRM EP Samples] August 02, 2024 – 11:56am Jazlyn.Natalie

TABLES

Table 1 - Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted - Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-56		EP-57	
LAB SAMPLE ID				L2439875-02		L2439875-01	
DATE				7/16/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5	
				Results	Qual	Results	Qual
Volatile Organic Compounds (VOC) BY EPA Method 5035/8260 (mg/kg)							
1,1,1,2-Tetrachloroethane	--	--	--	0.00054	U	0.00049	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00072		0.0092	
1,1,2,2-Tetrachloroethane	--	--	--	0.00054	U	0.00049	U
1,1,2-Trichloroethane	--	--	--	0.0011	U	0.00097	U
1,1-Dichloroethane	0.27	26	0.27	0.0003	J	0.0031	
1,1-Dichloroethene	0.33	100	0.33	0.0011	U	0.00064	J
1,1-Dichloropropene	--	--	--	0.00054	U	0.00049	U
1,2,3-Trichlorobenzene	--	--	--	0.0022	U	0.0019	U
1,2,3-Trichloropropane	--	--	--	0.0022	U	0.0019	U
1,2,4,5-Tetramethylbenzene	--	--	--	0.0022	U	0.0019	U
1,2,4-Trichlorobenzene	--	--	--	0.0022	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0022	U	0.00033	J
1,2-Dibromo-3-chloropropane	--	--	--	0.0032	U	0.0029	U
1,2-Dibromoethane	--	--	--	0.0011	U	0.00097	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0022	U	0.0019	U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011	U	0.00097	U
1,2-Dichloroethene, Total	--	--	--	0.00086	J	0.0058	J
1,2-Dichloropropane	--	--	--	0.0011	U	0.00097	U
1,3,5-Trimethylbenzene	8.4	52	8.4	0.0022	U	0.00021	J
1,3-Dichlorobenzene	2.4	49	2.4	0.0022	U	0.0019	U
1,3-Dichloropropane	--	--	--	0.0022	U	0.0019	U
1,3-Dichloropropene, Total	--	--	--	0.00054	U	0.00049	U
1,4-Dichlorobenzene	1.8	13	1.8	0.0022	U	0.0019	U
1,4-Dioxane	0.1	13	0.1	0.086	U	0.078	U
2,2-Dichloropropane	--	--	--	0.0022	U	0.0019	U
2-Butanone	0.12	100	0.12	0.011	U	0.0097	U
2-Hexanone	--	--	--	0.011	U	0.0097	U
4-Methyl-2-pentanone	--	--	--	0.011	U	0.0097	U
Acetone	0.05	100	0.05	0.0075	J	0.012	
Acrylonitrile	--	--	--	0.0043	U	0.0039	U
Benzene	0.06	4.8	0.06	0.00054	U	0.00049	U
Bromobenzene	--	--	--	0.0022	U	0.0019	U
Bromochloromethane	--	--	--	0.0022	U	0.0019	U
Bromodichloromethane	--	--	--	0.00054	U	0.00049	U
Bromoform	--	--	--	0.0043	U	0.0039	U
Bromomethane	--	--	--	0.0022	U	0.0019	U
Carbon disulfide	--	--	--	0.011	U	0.0097	U
Carbon tetrachloride	0.76	2.4	0.76	0.0011	U	0.00097	U
Chlorobenzene	1.1	100	1.1	0.00054	U	0.00049	U
Chloroethane	--	--	--	0.0022	U	0.0019	U
Chloroform	0.37	49	0.37	0.00026	J	0.00054	J
Chloromethane	--	--	--	0.0043	U	0.0039	U
cis-1,2-Dichloroethene	0.25	100	0.25	0.00086	J	0.0057	
cis-1,3-Dichloropropene	--	--	--	0.00054	U	0.00049	U
Dibromochloromethane	--	--	--	0.0011	U	0.00097	U
Dibromomethane	--	--	--	0.0022	U	0.0019	U
Dichlorodifluoromethane	--	--	--	0.011	U	0.0097	U
Ethyl ether	--	--	--	0.0022	U	0.0019	U
Ethylbenzene	1	41	1	0.0011	U	0.00097	U
Hexachlorobutadiene	--	--	--	0.0043	U	0.0039	U
Isopropylbenzene	--	--	--	0.0011	U	0.00097	U
Methyl tert butyl ether	0.93	100	0.93	0.0022	U	0.0019	U
Methylene chloride	0.05	100	0.05	0.0054	U	0.0049	U
n-Butylbenzene	12	100	12	0.0011	U	0.00097	U
n-Propylbenzene	3.9	100	3.9	0.0011	U	0.00097	U
Naphthalene	12	100	12	0.0043	U	0.0039	U
o-Chlorotoluene	--	--	--	0.0022	U	0.0019	U
o-Xylene	--	--	--	0.0011	U	0.00097	U
p-Chlorotoluene	--	--	--	0.0022	U	0.0019	U
p-Diethylbenzene	--	--	--	0.00019	J	0.00018	J
p-Ethyltoluene	--	--	--	0.0022	U	0.0019	U
p-Isopropyltoluene	--	--	--	0.0011	U	0.00097	U
p/m-Xylene	--	--	--	0.0022	U	0.0019	U
sec-Butylbenzene	11	100	11	0.0011	U	0.00097	U
Styrene	--	--	--	0.0011	U	0.00097	U
tert-Butylbenzene	5.9	100	5.9	0.0022	U	0.0019	U
Tetrachloroethene	1.3	19	1.3	0.01		0.0053	
Toluene	0.7	100	0.7	0.0011	U	0.00097	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.00014	J
trans-1,3-Dichloropropene	--	--	--	0.0011	U	0.00097	U
trans-1,4-Dichloro-2-butene	--	--	--	0.0054	U	0.0049	U
Trichloroethene	0.47	21	0.47	0.0039		0.014	
Trichlorofluoromethane	--	--	--	0.0043	U	0.0039	U
Vinyl acetate	--	--	--	0.011	U	0.0097	U
Vinyl chloride	0.02	0.9	0.02	0.0011	U	0.00097	U
Xylenes, Total	0.26	100	1.6	0.0011	U	0.00097	U

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 2 - Semi-Volatile Organic Compounds in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-56		EP-57	
LAB SAMPLE ID				L2439875-02		L2439875-01	
DATE				7/16/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5	
				Results	Qual	Results	Qual
Semi-Volatile Organic Compounds (VOC) BY EPA Method 8270 (mg/kg)							
1,2,4,5-Tetrachlorobenzene	--	--	--	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	49	2.4	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	13	1.8	0.18	U	0.18	U
1,4-Dioxane	0.1	13	0.1	0.028	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.88	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U
Acenaphthene	20	100	98	0.034	J	0.029	J
Acenaphthylene	100	1000	107	0.15	U	0.14	U
Acetophenone	--	--	--	0.18	U	0.18	U
Anthracene	100	100	1000	0.054	J	0.045	J
Benzo(a)anthracene	1	1	1	0.1	J	0.095	J
Benzo(a)pyrene	1	1	22	0.093	J	0.089	J
Benzo(b)fluoranthene	1	1	1.7	0.12		0.11	
Benzo(ghi)perylene	100	100	1000	0.061	J	0.06	J
Benzo(k)fluoranthene	0.8	3.9	1.7	0.04	J	0.048	J
Benzoic Acid	--	--	--	0.59	U	0.59	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U
Biphenyl	--	--	--	0.42	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U
Carbazole	--	--	--	0.03	J	0.024	J
Chrysene	1	3.9	1	0.1	J	0.094	J
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.11	U	0.11	U
Dibenzofuran	7	59	210	0.019	J	0.017	J
Diethyl phthalate	--	--	--	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.26		0.23	
Fluorene	30	100	386	0.023	J	0.02	J
Hexachlorobenzene	0.33	1.2	3.2	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.52	U
Hexachloroethane	--	--	--	0.15	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.054	J	0.05	J
Isophorone	--	--	--	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U
Naphthalene	12	100	12	0.03	J	0.033	J
NDPA/DPA	--	--	--	0.15	U	0.14	U
Nitrobenzene	--	--	--	0.16	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U
Pentachlorophenol	0.8	6.7	0.8	0.15	U	0.14	U
Phenanthrene	100	100	1000	0.21		0.17	
Phenol	0.33	100	0.33	0.18	U	0.18	U
Pyrene	100	100	1000	0.22		0.2	

Table Notes:

--: No guidance value
mg/kg: Milligrams per Kilogram
U: Not detected at the reported detection limit for the sample
J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Table 3 - Total Metals in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-56		EP-57	
LAB SAMPLE ID				L2439875-02		L2439875-01	
DATE				7/16/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5	
				Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)							
Aluminum, Total	--	--	--	7320		4120	
Antimony, Total	--	--	--	4.34	U	4.38	U
Arsenic, Total	13	16	16	3.68		1.79	
Barium, Total	350	400	820	38.7		26.2	
Beryllium, Total	7.2	72	47	0.406	J	0.258	J
Cadmium, Total	2.5	4.3	7.5	0.868	U	0.141	J
Calcium, Total	--	--	--	10100		5980	
Chromium, Total*	30	180	--	15.2		11.9	
Colbalt, Total	--	--	--	3.85		3.16	
Copper, Total	50	270	1720	15.3		14	
Iron, Total	--	--	--	15000		10600	
Lead, Total	63	400	450	**69**		22.2	
Magnesium, Total	--	--	--	3820		1980	
Manganese, Total	1600	2000	2000	299		186	
Mercury, Total	0.18	0.81	0.73	0.057	J	0.076	J
Nickel, Total	30	310	130	9.89		8.42	
Potassium, Total	--	--	--	763		636	
Selenium, Total	3.9	180	4	1.74	U	1.75	U
Silver, Total	2	180	8.3	0.434	U	0.438	U
Sodium, Total	--	--	--	201		157	J
Thallium, Total	--	--	--	1.74	U	1.75	U
Vanadium, Total	--	--	--	20		17.5	
Zinc, Total	109	2480	2480	81.2		32.5	

Table Notes:

--: No guidance value

***** Total chromium was compared to the trivalent chromium SCOs.

mg/kg: Milligrams per Kilogram

U: Not detected at the reported detection limit for the sample

J: Estimate Value. The analyte concentration is below the quantitative limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Table 4 - Pesticides and Polychlorinated Biphenyls in End Point Soil Samples

101 East 150th Street
Bronx, New York

LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Restricted-Residential Use SCOs	Part 375 Protection of Groundwater SCOs	EP-56		EP-57	
LAB SAMPLE ID				L2439875-02		L2439875-01	
DATE				7/16/2024		7/16/2024	
SAMPLE DEPTH (ft.)				5		5	
				Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081							
4,4'-DDD	0.0033	13	14	0.00176	U	0.00172	U
4,4'-DDE	0.0033	8.9	17	0.00292		0.00119	J
4,4'-DDT	0.0033	7.9	136	0.00236		0.0015	J
Aldrin	0.005	0.097	0.19	0.00176	U	0.00172	U
Alpha-BHC	0.02	0.48	0.02	0.000735	U	0.000718	U
Beta-BHC	0.036	0.36	0.09	0.00176	U	0.00172	U
Chlordane	--	--	--	0.0147	U	0.0144	U
cis-Chlordane	0.094	4.2	2.9	0.0022	U	0.00215	U
Delta-BHC	0.04	100	0.25	0.00176	U	0.00172	U
Dieldrin	0.005	0.2	0.1	0.0011	U	0.00108	U
Endosulfan I	2.4	24	102	0.00176	U	0.00172	U
Endosulfan II	2.4	24	102	0.00176	U	0.00172	U
Endosulfan sulfate	2.4	24	1000	0.000735	U	0.000718	U
Endrin	0.014	11	0.06	0.000735	U	0.000718	U
Endrin aldehyde	--	--	--	0.0022	U	0.00215	U
Endrin ketone	--	--	--	0.00176	U	0.00172	U
Heptachlor	0.042	2.1	0.38	0.000882	U	0.000862	U
Heptachlor epoxide	--	--	--	0.00331	U	0.00323	U
Lindane	0.1	1.3	0.1	0.000735	U	0.000718	U
Methoxychlor	--	--	--	0.00331	U	0.00323	U
Toxaphene	--	--	--	0.0331	U	0.0323	U
trans-Chlordane	--	--	--	0.0022	U	0.00215	U
Polychlorinated Biphenyls by EPA Method 8082A							
Aroclor 1016	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1221	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1232	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1242	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1254	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1260	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1262	0.1	1	3.2	0.0532	U	0.055	U
Aroclor 1268	0.1	1	3.2	0.0532	U	0.055	U
PCBs, Total	0.1	1	3.2	0.0532	U	0.055	U

TABLE NOTES:

--: No Guidance Value.
mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

Table 5 - Per- and Polyfluoroalkyl Substances in Endpoint Soil Samples
101 East 150th Street
Bronx, New York

LOCATION	NYSDEC PFOA/PFOS guidance values - Unrestricted	NYSDEC PFOA/PFOS guidance values - Restricted Residential	NYSDEC PFOA/PFOS guidance values - Protection of Groundwater	EP-56	
LAB SAMPLE ID				L2439875-02	
DATE				7/16/2024	
SAMPLE DEPTH (ft.)				5	
				Results	Qual
PFAS by EPA Method 1633 (mg/kg)					
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	--	--	--	0.000768	U
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	--	--	--	0.000578	J
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	--	--	--	0.000192	U
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	--	--	--	0.000192	U
Perfluorobutanesulfonic Acid (PFBS)	--	--	--	0.000192	U
Perfluorobutanoic Acid (PFBA)	--	--	--	0.000768	U
Perfluorodecanesulfonic Acid (PFDS)	--	--	--	0.000192	U
Perfluorodecanoic Acid (PFDA)	--	--	--	0.000192	U
Perfluorododecanoic Acid (PFDoA)	--	--	--	0.000192	U
Perfluoroheptanesulfonic Acid (PFHpS)	--	--	--	0.000192	U
Perfluoroheptanoic Acid (PFHpA)	--	--	--	0.000192	U
Perfluorohexanesulfonic Acid (PFHxS)	--	--	--	0.000192	U
Perfluorohexanoic Acid (PFHxA)	--	--	--	0.000065	J
Perfluorononanoic Acid (PFNA)	--	--	--	0.000192	U
Perfluorooctanesulfonamide (FOSA)	--	--	--	0.000192	U
Perfluorooctanesulfonic Acid (PFOS)	0.00088	0.044	0.00037	0.00017	J
Perfluorooctanoic Acid (PFOA)	0.00066	0.033	0.0011	0.000061	J
Perfluoropentanoic Acid (PFPeA)	--	--	--	0.000071	J
Perfluorotetradecanoic Acid (PFTA)	--	--	--	0.000192	U
Perfluorotridecanoic Acid (PFTrDA)	--	--	--	0.000192	U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	0.000192	U
PFOA/PFOS, Total	--	--	--	0.000231	J

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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

J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

ATTACHMENT A – LABORATORY REPORTS

JOB: L2439875 REPORT STYLE: Data Usability Report
0010: Alpha Analytical Report Cover Page - OK
0015: Sample Cross Reference Summary - OK
0060: Case Narrative - OK
0100: Volatiles Cover Page - OK
0110: Volatiles Sample Results - OK
0120: Volatiles Method Blank Report - OK
0130: Volatiles LCS Report - OK
0180: Semivolatiles Cover Page - OK
0190: Semivolatiles Sample Results - OK
0200: Semivolatiles Method Blank Report - OK
0210: Semivolatiles LCS Report - OK
0700: PCBs Cover Page - OK
0710: PCBs Sample Results - OK
0720: PCBs Method Blank Report - OK
0730: PCBs LCS Report - OK
0900: Pesticides Cover Page - OK
0910: Pesticides Sample Results - OK
0920: Pesticides Method Blank Report - OK
0930: Pesticides LCS Report - OK
1005: Metals Sample Results - OK
1010: Metals Method Blank Report - OK
1020: Metals LCS Report - OK
1040: Metals Matrix Spike Report - OK
1050: Metals Duplicate Report - OK
1060: Metals Serial Dilution Report - OK
1180: Inorganics Cover Page - OK
1200: Wet Chemistry Sample Results - OK
1250: Wet Chemistry Duplicate Report - OK
5100: Sample Receipt & Container Information Report - OK
5150: PFAS Parameter Summary - OK
5200: Glossary - OK
5400: References - OK

ANALYTICAL REPORT

Lab Number:	L2439875
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	SA 101 E 150TH
Project Number:	41.0163097.00
Report Date:	07/30/24

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2439875-01	EP-57 (5'BGS)	SOIL	BRONX, NY	07/16/24 11:17	07/16/24
L2439875-02	EP-56 (5'BGS)	SOIL	BRONX, NY	07/16/24 12:20	07/16/24
L2439875-03	EB PFAS 2024-2024-07-16	WATER	BRONX, NY	07/16/24 12:00	07/16/24
L2439875-04	FB PFAS 2024-2024-07-16	WATER	BRONX, NY	07/16/24 12:05	07/16/24
L2439875-05	FB-2024-07-16	WATER	BRONX, NY	07/16/24 12:30	07/16/24
L2439875-06	TB-2024-07-16	WATER	BRONX, NY	07/16/24 00:00	07/16/24

Project Name:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

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:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

Case Narrative (continued)

Report Submission

July 30, 2024: This is a preliminary report.

July 23, 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

The analyses performed were specified by the client.

Semivolatile Organics

The WG1949209-2/-3 LCS/LCSD recoveries, associated with L2439875-05, are below the acceptance criteria for benzoic acid (0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Perfluorinated Alkyl Acids by 1633

L2439875-04R, WG1950079-1R, WG1950079-2R, and WG1950079-3R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

WG1950819-1 and WG1950819-3: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

PCBs

The WG1949521-1 Method Blank, associated with L2439875-05, has a concentration above the reporting limit for Aroclor 1260. Since the associated sample concentration is non-detect to the RL, no corrective action is required.

Pesticides

Project Name:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

Case Narrative (continued)

The surrogate recoveries for the WG1949381-1 Method Blank, associated with L2439875-05, are below the acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (28%/29%) and decachlorobiphenyl (25%). The associated sample is non-detect and has acceptable surrogate recoveries; therefore, no further actions were taken.

Total Metals

L2439875-01 and -02: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

L2439875-05: The Field Blank has a result for sodium present above the reporting limit. The sample was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 07/30/24

ORGANICS

VOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/18/24 14:21
Analyst: AJK
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	2.2	1
1,1-Dichloroethane	3.1		ug/kg	0.97	0.14	1
Chloroform	0.54	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	5.3		ug/kg	0.49	0.19	1
Chlorobenzene	ND		ug/kg	0.49	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.68	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	9.2		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.49	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.49	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.49	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.49	0.16	1
Benzene	ND		ug/kg	0.49	0.16	1
Toluene	ND		ug/kg	0.97	0.53	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.91	1
Bromomethane	ND		ug/kg	1.9	0.57	1
Vinyl chloride	ND		ug/kg	0.97	0.33	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	0.64	J	ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	0.14	J	ug/kg	1.5	0.13	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	14		ug/kg	0.49	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	0.17	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.20	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	5.7		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	5.8	J	ug/kg	0.97	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.89	1
Acetone	12		ug/kg	9.7	4.7	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.2	1
Vinyl acetate	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.7	1.2	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.49	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.12	1
o-Chlorotoluene	ND		ug/kg	1.9	0.19	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.97	1
Hexachlorobutadiene	ND		ug/kg	3.9	0.16	1
Isopropylbenzene	ND		ug/kg	0.97	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.11	1
Naphthalene	ND		ug/kg	3.9	0.63	1
Acrylonitrile	ND		ug/kg	3.9	1.1	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 11:17
Date Received: 07/16/24
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	0.97	0.17	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	0.21	J	ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	0.33	J	ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	78	34.	1
p-Diethylbenzene	0.18	J	ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.19	1
Ethyl ether	ND		ug/kg	1.9	0.33	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	6.46	J	ug/kg			1
Unknown	6.46	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	109		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260D
Analytical Date: 07/18/24 14:42
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	0.30	J	ug/kg	1.1	0.16	1
Chloroform	0.26	J	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	10		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	0.72		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	ND		ug/kg	0.54	0.18	1
Toluene	ND		ug/kg	1.1	0.59	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.2	0.63	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.2	0.49	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	3.9		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.60	1
o-Xylene	ND		ug/kg	1.1	0.31	1
Xylenes, Total	ND		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	0.86	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.86	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.99	1
Acetone	7.5	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.36	1
1,4-Dioxane	ND		ug/kg	86	38.	1
p-Diethylbenzene	0.19	J	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	5.4	1.5	1

Tentatively Identified Compounds

Total TIC Compounds	8.06	J	ug/kg			1
Unknown	8.06	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	122		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	113		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:34
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	116		70-130
Dibromofluoromethane	114		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-06
Client ID: TB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 00:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:58
Analyst: KJD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-06
Client ID: TB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 00:00
Date Received: 07/16/24
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-06
Client ID: TB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 00:00
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	117		70-130
Dibromofluoromethane	113		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1948554-5					
Methylene chloride	2.5	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1948554-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1948554-5					
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	20.2	J	ug/kg
Unknown	10.5	J	ug/kg
Unknown	2.11	J	ug/kg
Unknown	7.58	J	ug/kg

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:10
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02 Batch: WG1948554-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	**131**	Q	70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	86		70-130
Dibromofluoromethane	125		70-130

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:09
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1949011-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:09
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1949011-5					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:09
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1949011-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/l		

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260D
Analytical Date: 07/18/24 11:09
Analyst: MJV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05-06 Batch: WG1949011-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	112		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1948554-3 WG1948554-4								
Methylene chloride	111		109		70-130	2		30
1,1-Dichloroethane	111		109		70-130	2		30
Chloroform	120		116		70-130	3		30
Carbon tetrachloride	115		110		70-130	4		30
1,2-Dichloropropane	106		106		70-130	0		30
Dibromochloromethane	100		100		70-130	0		30
1,1,2-Trichloroethane	109		110		70-130	1		30
Tetrachloroethene	121		116		70-130	4		30
Chlorobenzene	104		104		70-130	0		30
Trichlorofluoromethane	133		127		70-139	5		30
1,2-Dichloroethane	117		114		70-130	3		30
1,1,1-Trichloroethane	117		114		70-130	3		30
Bromodichloromethane	108		107		70-130	1		30
trans-1,3-Dichloropropene	99		98		70-130	1		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
1,1-Dichloropropene	101		100		70-130	1		30
Bromoform	91		90		70-130	1		30
1,1,2,2-Tetrachloroethane	95		93		70-130	2		30
Benzene	111		110		70-130	1		30
Toluene	101		101		70-130	0		30
Ethylbenzene	99		99		70-130	0		30
Chloromethane	**156**	Q	**148**	Q	52-130	5		30
Bromomethane	146		142		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1948554-3 WG1948554-4								
Vinyl chloride	123		118		67-130	4		30
Chloroethane	126		125		50-151	1		30
1,1-Dichloroethene	112		109		65-135	3		30
trans-1,2-Dichloroethene	113		110		70-130	3		30
Trichloroethene	115		114		70-130	1		30
1,2-Dichlorobenzene	99		97		70-130	2		30
1,3-Dichlorobenzene	103		99		70-130	4		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	112		111		66-130	1		30
p/m-Xylene	108		106		70-130	2		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	94		98		70-130	4		30
Dibromomethane	114		112		70-130	2		30
Styrene	106		104		70-130	2		30
Dichlorodifluoromethane	144		137		30-146	5		30
Acetone	**142**	Q	137		54-140	4		30
Carbon disulfide	123		120		59-130	2		30
2-Butanone	130		120		70-130	8		30
Vinyl acetate	117		118		70-130	1		30
4-Methyl-2-pentanone	82		83		70-130	1		30
1,2,3-Trichloropropane	99		100		68-130	1		30
2-Hexanone	88		89		70-130	1		30
Bromochloromethane	116		118		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1948554-3 WG1948554-4								
2,2-Dichloropropane	108		104		70-130	4		30
1,2-Dibromoethane	107		108		70-130	1		30
1,3-Dichloropropane	108		110		69-130	2		30
1,1,1,2-Tetrachloroethane	104		103		70-130	1		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	100		95		70-130	5		30
sec-Butylbenzene	94		91		70-130	3		30
tert-Butylbenzene	86		83		70-130	4		30
o-Chlorotoluene	109		105		70-130	4		30
p-Chlorotoluene	93		90		70-130	3		30
1,2-Dibromo-3-chloropropane	93		90		68-130	3		30
Hexachlorobutadiene	101		98		67-130	3		30
Isopropylbenzene	86		84		70-130	2		30
p-Isopropyltoluene	88		86		70-130	2		30
Naphthalene	76		74		70-130	3		30
Acrylonitrile	**146**	Q	**145**	Q	70-130	1		30
n-Propylbenzene	94		90		70-130	4		30
1,2,3-Trichlorobenzene	96		95		70-130	1		30
1,2,4-Trichlorobenzene	93		92		70-130	1		30
1,3,5-Trimethylbenzene	93		90		70-130	3		30
1,2,4-Trimethylbenzene	90		87		70-130	3		30
1,4-Dioxane	102		100		65-136	2		30
p-Diethylbenzene	87		84		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02 Batch: WG1948554-3 WG1948554-4								
p-Ethyltoluene	91		88		70-130	3		30
1,2,4,5-Tetramethylbenzene	75		72		70-130	4		30
Ethyl ether	117		120		67-130	3		30
trans-1,4-Dichloro-2-butene	102		99		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	120		121		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	82		82		70-130
Dibromofluoromethane	119		118		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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: WG1949011-3 WG1949011-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		110		70-130	10		20
Dibromochloromethane	91		95		63-130	4		20
1,1,2-Trichloroethane	91		96		70-130	5		20
Tetrachloroethene	94		95		70-130	1		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		100		67-130	2		20
trans-1,3-Dichloropropene	89		93		70-130	4		20
cis-1,3-Dichloropropene	92		96		70-130	4		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	84		91		54-136	8		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	98		100		70-130	2		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	100		97		64-130	3		20
Bromomethane	**32**	Q	**32**	Q	39-139	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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: WG1949011-3 WG1949011-4								
Vinyl chloride	91		90		55-140	1		20
Chloroethane	88		88		55-138	0		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	93		100		70-130	7		20
1,2-Dichlorobenzene	95		98		70-130	3		20
1,3-Dichlorobenzene	98		97		70-130	1		20
1,4-Dichlorobenzene	97		99		70-130	2		20
Methyl tert butyl ether	100		110		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	97		100		64-130	3		20
Acrylonitrile	110		120		70-130	9		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	95		92		36-147	3		20
Acetone	110		110		58-148	0		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	91		98		63-138	7		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	82		90		59-130	9		20
2-Hexanone	76		86		57-130	12		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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: WG1949011-3 WG1949011-4								
Bromochloromethane	99		100		70-130	1		20
2,2-Dichloropropane	93		92		63-133	1		20
1,2-Dibromoethane	93		98		70-130	5		20
1,3-Dichloropropane	96		100		70-130	4		20
1,1,1,2-Tetrachloroethane	91		93		64-130	2		20
Bromobenzene	96		100		70-130	4		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	100		110		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	86		95		41-144	10		20
Hexachlorobutadiene	88		94		63-130	7		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	99		99		70-130	0		20
Naphthalene	86		92		70-130	7		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	88		92		70-130	4		20
1,2,4-Trichlorobenzene	88		92		70-130	4		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	96		92		70-130	4		20
1,4-Dioxane	92		94		56-162	2		20
p-Diethylbenzene	95		97		70-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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: WG1949011-3 WG1949011-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	91		93		70-130	2		20
Ethyl ether	110		110		59-134	0		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	100		102		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	109		111		70-130
Dibromofluoromethane	104		104		70-130

SEMIVOLATILES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/18/24 15:53
Analyst: EK
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	29	J	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	230		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	140	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	33	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 11:17
Date Received: 07/16/24
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	95	J	ug/kg	110	20.	1
Benzo(a)pyrene	89	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	110		ug/kg	110	31.	1
Benzo(k)fluoranthene	48	J	ug/kg	110	29.	1
Chrysene	94	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	45	J	ug/kg	110	36.	1
Benzo(ghi)perylene	60	J	ug/kg	140	21.	1
Fluorene	20	J	ug/kg	180	18.	1
Phenanthrene	170		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	50	J	ug/kg	140	25.	1
Pyrene	200		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	17	J	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	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	140	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	28.	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 11:17
Date Received: 07/16/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	24	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	1210	J	ug/kg			1
Unknown	157	J	ug/kg			1
Unknown	216	J	ug/kg			1
Unknown Organic Acid	559	J	ug/kg			1
Unknown	280	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	73		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	61		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	60		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/18/24 16:18
Analyst: EK
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	34	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	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	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	30	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	100	J	ug/kg	110	21.	1
Benzo(a)pyrene	93	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	120		ug/kg	110	31.	1
Benzo(k)fluoranthene	40	J	ug/kg	110	29.	1
Chrysene	100	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	54	J	ug/kg	110	36.	1
Benzo(ghi)perylene	61	J	ug/kg	150	22.	1
Fluorene	23	J	ug/kg	180	18.	1
Phenanthrene	210		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	54	J	ug/kg	150	26.	1
Pyrene	220		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	19	J	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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	30	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	427	J	ug/kg			1
Tetrachloroethene	241	NJ	ug/kg			1
Unknown	186	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	55		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	52		30-120
2,4,6-Tribromophenol	32		10-136
4-Terphenyl-d14	52		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 144,1633
Analytical Date: 07/25/24 21:05
Analyst: PNB
Percent Solids: 89%

Extraction Method: EPA 1633
Extraction Date: 07/25/24 03:28
Cleanup Method: EPA 1633
Cleanup Date: 07/25/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.768	0.048	1
Perfluoropentanoic Acid (PFPeA)	0.071	J	ng/g	0.384	0.054	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.192	0.042	1
Perfluorohexanoic Acid (PFHxA)	0.065	J	ng/g	0.192	0.045	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.192	0.022	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.192	0.057	1
Perfluorooctanoic Acid (PFOA)	0.061	J	ng/g	0.192	0.050	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	0.578	J	ng/g	0.768	0.269	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.192	0.035	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.192	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.170	J	ng/g	0.192	0.076	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.192	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.768	0.372	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.192	0.096	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.192	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.192	0.031	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.192	0.042	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.192	0.079	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.192	0.039	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.192	0.051	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.192	0.102	1
PFOA/PFOS, Total	0.231	J	ng/g	0.192	0.050	1

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	83		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	85		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)	82		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	81		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	84		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	85		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	71		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	84		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	89		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	121		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	90		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	99		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	81		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	79		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	94		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	76		15-109

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-04 R
Client ID: FB PFAS 2024-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:05
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 144,1633
Analytical Date: 07/26/24 00:19
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 07/23/24 07:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	6.09	0.974	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.04	0.814	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.52	0.510	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.52	0.449	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.52	0.304	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.52	0.365	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.52	0.662	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	6.09	2.05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.52	0.411	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.52	0.479	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.52	0.692	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.52	0.616	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	6.09	2.36	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.52	0.829	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.52	0.662	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.52	0.350	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/l	1.52	0.411	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.52	0.822	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.52	0.700	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.52	0.570	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/l	1.52	0.403	1
PFOA/PFOS, Total	ND		ng/l	1.52	0.662	1

Project Name: SA 101 E 150TH **Lab Number:** L2439875

Project Number: 41.0163097.00 **Report Date:** 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-04 R
Client ID: FB PFAS 2024-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:05
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	74		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	82		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	78		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	73		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	77		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	70		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	90		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	80		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	79		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	68		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	58		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	86		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	64		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	70		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	82		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	54		10-145

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E
Analytical Date: 07/21/24 20:52
Analyst: IM

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
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	1.7	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	16.	J	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	25.9	J	ug/l			1
Unknown	10.6	J	ug/l			1
Unknown	10.1	J	ug/l			1
Unknown	5.20	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	87		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/19/24 04:46
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 07/17/24 16:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	150	33.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 17:11
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

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	ND		ug/l	0.10	0.03	1
Hexachlorobutadiene	ND		ug/l	0.50	0.02	1
Naphthalene	0.04	J	ug/l	0.10	0.02	1
Benzo(a)anthracene	ND		ug/l	0.10	0.03	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	ND		ug/l	0.10	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.10	0.03	1
Chrysene	ND		ug/l	0.10	0.03	1
Acenaphthylene	ND		ug/l	0.10	0.02	1
Anthracene	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	ND		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	ND		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
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	61		21-120
Phenol-d6	47		10-120
Nitrobenzene-d5	115		23-120
2-Fluorobiphenyl	77		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	88		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/18/24 20:10
Analyst: GRS

Extraction Method: EPA 3510C
Extraction Date: 07/17/24 16:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 05 Batch: WG1948127-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	35		15-110

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/18/24 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1948309-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/18/24 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1948309-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	22.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/18/24 13:47
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:38

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1948309-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
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	73		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	69		18-120

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1949209-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1949209-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1949209-1					
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	28.4	J	ug/l
Unknown	10.8	J	ug/l
Unknown	9.60	J	ug/l
Unknown	8.00	J	ug/l

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 07/20/24 12:57
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 05 Batch: WG1949209-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	21		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	92		15-120
2,4,6-Tribromophenol	69		10-120
4-Terphenyl-d14	83		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 13:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1949210-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 07/23/24 13:57
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 07/19/24 23:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 05 Batch: WG1949210-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	43		21-120
Phenol-d6	29		10-120
Nitrobenzene-d5	**122**	Q	23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	89		41-149

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/25/24 19:43
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 07/23/24 07:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1950079-1 R					
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/25/24 19:43
Analyst: SL

Extraction Method: EPA 1633
Extraction Date: 07/23/24 07:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 04 Batch: WG1950079-1 R					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	72		41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87		29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	71		41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	74		40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	77		27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74		46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	66		39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	84		10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	76		38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71		32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	73		28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	51		10-213
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	65		10-172
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	63		16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	60		14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	57		10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62		10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	49		10-145

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/25/24 15:39
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 07/25/24 03:22
Cleanup Method: EPA 1633
Cleanup Date: 07/25/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1950819-1					
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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 144,1633
Analytical Date: 07/25/24 15:39
Analyst: PNB

Extraction Method: EPA 1633
Extraction Date: 07/25/24 03:22
Cleanup Method: EPA 1633
Cleanup Date: 07/25/24

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 02 Batch: WG1950819-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90		46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93		48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	**128**	Q	48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90		48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	76		35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90		50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	92		48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81		19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	92		48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	87		51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	85		47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	131		10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	89		10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	91		38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	88		22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75		10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	85		33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	70		15-109

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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 Batch: WG1948127-2 WG1948127-3								
1,4-Dioxane	105		106		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	30		39		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1948309-2 WG1948309-3								
Acenaphthene	62		63		31-137	2		50
1,2,4-Trichlorobenzene	65		65		38-107	0		50
Hexachlorobenzene	64		62		40-140	3		50
Bis(2-chloroethyl)ether	68		69		40-140	1		50
2-Chloronaphthalene	65		64		40-140	2		50
1,2-Dichlorobenzene	64		65		40-140	2		50
1,3-Dichlorobenzene	61		62		40-140	2		50
1,4-Dichlorobenzene	63		64		28-104	2		50
3,3'-Dichlorobenzidine	57		59		40-140	3		50
2,4-Dinitrotoluene	71		72		40-132	1		50
2,6-Dinitrotoluene	75		73		40-140	3		50
Fluoranthene	67		66		40-140	2		50
4-Chlorophenyl phenyl ether	61		62		40-140	2		50
4-Bromophenyl phenyl ether	61		61		40-140	0		50
Bis(2-chloroisopropyl)ether	50		52		40-140	4		50
Bis(2-chloroethoxy)methane	70		72		40-117	3		50
Hexachlorobutadiene	63		63		40-140	0		50
Hexachlorocyclopentadiene	51		50		40-140	2		50
Hexachloroethane	66		67		40-140	2		50
Isophorone	70		72		40-140	3		50
Naphthalene	63		64		40-140	2		50
Nitrobenzene	71		73		40-140	3		50
NDPA/DPA	63		64		36-157	2		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1948309-2 WG1948309-3								
n-Nitrosodi-n-propylamine	72		74		32-121	3		50
Bis(2-ethylhexyl)phthalate	72		72		40-140	0		50
Butyl benzyl phthalate	79		78		40-140	1		50
Di-n-butylphthalate	70		71		40-140	1		50
Di-n-octylphthalate	79		78		40-140	1		50
Diethyl phthalate	64		65		40-140	2		50
Dimethyl phthalate	67		66		40-140	2		50
Benzo(a)anthracene	63		63		40-140	0		50
Benzo(a)pyrene	64		62		40-140	3		50
Benzo(b)fluoranthene	62		61		40-140	2		50
Benzo(k)fluoranthene	66		67		40-140	2		50
Chrysene	63		63		40-140	0		50
Acenaphthylene	66		65		40-140	2		50
Anthracene	66		66		40-140	0		50
Benzo(ghi)perylene	60		60		40-140	0		50
Fluorene	62		63		40-140	2		50
Phenanthrene	63		63		40-140	0		50
Dibenzo(a,h)anthracene	62		62		40-140	0		50
Indeno(1,2,3-cd)pyrene	60		60		40-140	0		50
Pyrene	68		67		35-142	1		50
Biphenyl	66		66		37-127	0		50
4-Chloroaniline	56		59		40-140	5		50
2-Nitroaniline	78		78		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
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Lab Number: L2439875
Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1948309-2 WG1948309-3								
3-Nitroaniline	58		63		26-129	8		50
4-Nitroaniline	60		62		41-125	3		50
Dibenzofuran	62		63		40-140	2		50
2-Methylnaphthalene	66		65		40-140	2		50
1,2,4,5-Tetrachlorobenzene	66		65		40-117	2		50
Acetophenone	71		73		14-144	3		50
2,4,6-Trichlorophenol	68		66		30-130	3		50
p-Chloro-m-cresol	71		71		26-103	0		50
2-Chlorophenol	70		71		25-102	1		50
2,4-Dichlorophenol	71		70		30-130	1		50
2,4-Dimethylphenol	59		60		30-130	2		50
2-Nitrophenol	80		81		30-130	1		50
4-Nitrophenol	79		79		11-114	0		50
2,4-Dinitrophenol	47		48		4-130	2		50
4,6-Dinitro-o-cresol	65		66		10-130	2		50
Pentachlorophenol	68		66		17-109	3		50
Phenol	71		72		26-90	1		50
2-Methylphenol	70		72		30-130.	3		50
3-Methylphenol/4-Methylphenol	74		76		30-130	3		50
2,4,5-Trichlorophenol	70		70		30-130	0		50
Benzoic Acid	26		22		10-110	17		50
Benzyl Alcohol	72		74		40-140	3		50
Carbazole	64		64		54-128	0		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1948309-2 WG1948309-3								
1,4-Dioxane	45		46		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		73		25-120
Phenol-d6	72		74		10-120
Nitrobenzene-d5	71		74		23-120
2-Fluorobiphenyl	63		63		30-120
2,4,6-Tribromophenol	69		68		10-136
4-Terphenyl-d14	67		65		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

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Lab Number: L2439875

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1949209-2 WG1949209-3								
Acenaphthene	90		83		37-111	8		30
1,2,4-Trichlorobenzene	86		84		39-98	2		30
Hexachlorobenzene	82		76		40-140	8		30
Bis(2-chloroethyl)ether	87		82		40-140	6		30
2-Chloronaphthalene	91		86		40-140	6		30
1,2-Dichlorobenzene	87		84		40-140	4		30
1,3-Dichlorobenzene	87		81		40-140	7		30
1,4-Dichlorobenzene	86		83		36-97	4		30
3,3'-Dichlorobenzidine	93		81		40-140	14		30
2,4-Dinitrotoluene	98		94		48-143	4		30
2,6-Dinitrotoluene	103		97		40-140	6		30
Fluoranthene	91		85		40-140	7		30
4-Chlorophenyl phenyl ether	88		83		40-140	6		30
4-Bromophenyl phenyl ether	88		80		40-140	10		30
Bis(2-chloroisopropyl)ether	107		104		40-140	3		30
Bis(2-chloroethoxy)methane	89		86		40-140	3		30
Hexachlorobutadiene	84		81		40-140	4		30
Hexachlorocyclopentadiene	73		66		40-140	10		30
Hexachloroethane	87		81		40-140	7		30
Isophorone	84		81		40-140	4		30
Naphthalene	89		85		40-140	5		30
Nitrobenzene	91		88		40-140	3		30
NDPA/DPA	89		83		40-140	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1949209-2 WG1949209-3								
n-Nitrosodi-n-propylamine	87		82		29-132	6		30
Bis(2-ethylhexyl)phthalate	95		90		40-140	5		30
Butyl benzyl phthalate	93		90		40-140	3		30
Di-n-butylphthalate	90		92		40-140	2		30
Di-n-octylphthalate	97		92		40-140	5		30
Diethyl phthalate	94		88		40-140	7		30
Dimethyl phthalate	98		91		40-140	7		30
Benzo(a)anthracene	94		86		40-140	9		30
Benzo(a)pyrene	104		96		40-140	8		30
Benzo(b)fluoranthene	103		98		40-140	5		30
Benzo(k)fluoranthene	98		90		40-140	9		30
Chrysene	95		92		40-140	3		30
Acenaphthylene	94		88		45-123	7		30
Anthracene	92		84		40-140	9		30
Benzo(ghi)perylene	100		94		40-140	6		30
Fluorene	92		85		40-140	8		30
Phenanthrene	91		85		40-140	7		30
Dibenzo(a,h)anthracene	96		90		40-140	6		30
Indeno(1,2,3-cd)pyrene	98		91		40-140	7		30
Pyrene	90		85		26-127	6		30
Biphenyl	88		84		40-140	5		30
4-Chloroaniline	79		72		40-140	9		30
2-Nitroaniline	105		98		52-143	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1949209-2 WG1949209-3								
3-Nitroaniline	101		94		25-145	7		30
4-Nitroaniline	95		88		51-143	8		30
Dibenzofuran	90		83		40-140	8		30
2-Methylnaphthalene	92		87		40-140	6		30
1,2,4,5-Tetrachlorobenzene	87		80		2-134	8		30
Acetophenone	89		86		39-129	3		30
2,4,6-Trichlorophenol	46		88		30-130	**63**	Q	30
p-Chloro-m-cresol	76		86		23-97	12		30
2-Chlorophenol	57		86		27-123	**41**	Q	30
2,4-Dichlorophenol	59		91		30-130	**43**	Q	30
2,4-Dimethylphenol	75		75		30-130	0		30
2-Nitrophenol	58		97		30-130	**50**	Q	30
4-Nitrophenol	34		67		10-80	**65**	Q	30
2,4-Dinitrophenol	63		95		20-130	**41**	Q	30
4,6-Dinitro-o-cresol	64		101		20-164	**45**	Q	30
Pentachlorophenol	32		73		9-103	**78**	Q	30
Phenol	35		49		12-110	**33**	Q	30
2-Methylphenol	72		77		30-130	7		30
3-Methylphenol/4-Methylphenol	75		81		30-130	8		30
2,4,5-Trichlorophenol	52		93		30-130	**57**	Q	30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	78		74		26-116	5		30
Carbazole	91		86		55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 05 Batch: WG1949209-2 WG1949209-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	35		65		21-120
Phenol-d6	32		45		10-120
Nitrobenzene-d5	95		91		23-120
2-Fluorobiphenyl	92		89		15-120
2,4,6-Tribromophenol	50		88		10-120
4-Terphenyl-d14	82		77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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 Batch: WG1949210-2 WG1949210-3								
Acenaphthene	90		97		40-140	7		40
2-Chloronaphthalene	79		84		40-140	6		40
Fluoranthene	87		93		40-140	7		40
Hexachlorobutadiene	73		78		40-140	7		40
Naphthalene	81		87		40-140	7		40
Benzo(a)anthracene	89		97		40-140	9		40
Benzo(a)pyrene	103		113		40-140	9		40
Benzo(b)fluoranthene	98		108		40-140	10		40
Benzo(k)fluoranthene	93		102		40-140	9		40
Chrysene	94		100		40-140	6		40
Acenaphthylene	88		93		40-140	6		40
Anthracene	92		99		40-140	7		40
Benzo(ghi)perylene	97		104		40-140	7		40
Fluorene	86		92		40-140	7		40
Phenanthrene	86		92		40-140	7		40
Dibenzo(a,h)anthracene	103		111		40-140	7		40
Indeno(1,2,3-cd)pyrene	107		116		40-140	8		40
Pyrene	86		91		40-140	6		40
2-Methylnaphthalene	82		87		40-140	6		40
Pentachlorophenol	**34**	Q	83		40-140	**84**	Q	40
Hexachlorobenzene	77		82		40-140	6		40
Hexachloroethane	88		95		40-140	8		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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 Batch: WG1949210-2 WG1949210-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	43		81		21-120
Phenol-d6	42		64		10-120
Nitrobenzene-d5	**122**	Q	**134**	Q	23-120
2-Fluorobiphenyl	82		87		15-120
2,4,6-Tribromophenol	55		103		10-120
4-Terphenyl-d14	88		94		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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): 04 Batch: WG1950079-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	111		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	115		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	117		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	118		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	125		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	130		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	119		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	121		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	115		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	107		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	114		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	146		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	113		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	97		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	124		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	123		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	128		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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): 04 Batch: WG1950079-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	75				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	72				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	79				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	74				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	71				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	87				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71				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)	53				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)	69				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	74				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	76				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	69				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	59				10-145

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1950079-3								
Perfluorobutanoic Acid (PFBA)	97		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	103		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	99		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	95		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	93		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	92		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	111		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	87		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	92		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	95		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	96		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	84		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	101		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	99		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	88		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	95		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	93		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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

Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 04 Batch: WG1950079-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	78				41-123
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	86				29-123
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	75				41-125
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	75				40-121
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	75				27-156
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	75				46-115
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	68				39-121
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	93				10-261
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	74				38-114
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	71				32-114
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	83				28-115
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	64				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)	74				16-123
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	72				14-108
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	80				10-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	80				10-126
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				10-145

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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: WG1950819-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	118		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	111		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	111		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	113		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	112		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	117		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	112		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	86		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	115		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	113		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	126		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	118		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	139		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	120		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	105		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	107		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	142		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	115		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	106		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	112		-		40-150	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

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: WG1950819-2 LOW LEVEL

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	90				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	93				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	105				48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	91				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	93				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	81				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	89				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89				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)	115				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	85				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	88				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	86				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	75				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	83				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	72				15-109

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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: WG1950819-3								
Perfluorobutanoic Acid (PFBA)	118		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	119		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	121		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	115		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	119		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	115		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	112		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	120		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	116		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	115		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	121		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	124		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	129		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	127		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	122		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	114		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	126		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	126		-		40-150	-		30
Perfluorotridecanoic Acid (PFTrDA)	112		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	120		-		40-150	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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: WG1950819-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	88				46-106
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	94				48-107
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	**115**	Q			48-111
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	93				48-106
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	84				35-125
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90				50-104
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	93				48-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80				19-133
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	85				48-106
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89				51-104
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	92				47-109
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	119				10-175
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	91				10-154
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	94				38-119
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	90				22-109
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	81				10-163
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	89				33-111
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	81				15-109

PCBS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/18/24 16:14
Analyst: MEO
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 02:06
Cleanup Method: EPA 3665A
Cleanup Date: 07/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	55.0	4.88	1	A
Aroclor 1221	ND		ug/kg	55.0	5.51	1	A
Aroclor 1232	ND		ug/kg	55.0	11.7	1	A
Aroclor 1242	ND		ug/kg	55.0	7.41	1	A
Aroclor 1248	ND		ug/kg	55.0	8.25	1	A
Aroclor 1254	ND		ug/kg	55.0	6.02	1	A
Aroclor 1260	ND		ug/kg	55.0	10.2	1	A
Aroclor 1262	ND		ug/kg	55.0	6.98	1	A
Aroclor 1268	ND		ug/kg	55.0	5.70	1	A
PCBs, Total	ND		ug/kg	55.0	4.88	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	117		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 07/18/24 16:24
Analyst: MEO
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 02:06
Cleanup Method: EPA 3665A
Cleanup Date: 07/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	53.2	4.72	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	7.17	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	9.83	1	A
Aroclor 1262	ND		ug/kg	53.2	6.75	1	A
Aroclor 1268	ND		ug/kg	53.2	5.51	1	A
PCBs, Total	ND		ug/kg	53.2	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 07/22/24 21:05
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 07/22/24 02:58
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/24

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	83		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/18/24 06:34
Analyst: RMP

Extraction Method: EPA 3546
Extraction Date: 07/17/24 13:47
Cleanup Method: EPA 3665A
Cleanup Date: 07/18/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/18/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1948107-1						
Aroclor 1016	ND		ug/kg	48.7	4.33	A
Aroclor 1221	ND		ug/kg	48.7	4.88	A
Aroclor 1232	ND		ug/kg	48.7	10.3	A
Aroclor 1242	ND		ug/kg	48.7	6.57	A
Aroclor 1248	ND		ug/kg	48.7	7.31	A
Aroclor 1254	ND		ug/kg	48.7	5.33	A
Aroclor 1262	ND		ug/kg	48.7	6.19	A
Aroclor 1268	ND		ug/kg	48.7	5.05	A
Aroclor 1260	35.8	J	ug/kg	48.7	9.00	B
PCBs, Total	35.8	J	ug/kg	48.7	4.33	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	A
Decachlorobiphenyl	108		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	108		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 07/22/24 19:40
Analyst: AD

Extraction Method: EPA 3510C
Extraction Date: 07/21/24 10:44
Cleanup Method: EPA 3665A
Cleanup Date: 07/22/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/22/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 05 Batch: WG1949521-1						
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	0.074		ug/l	0.071	0.061	B
PCBs, Total	0.074		ug/l	0.071	0.061	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1948107-2 WG1948107-3									
Aroclor 1016	90		97		40-140	7		50	A
Aroclor 1260	86		89		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		104		30-150	A
Decachlorobiphenyl	108		116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		109		30-150	B
Decachlorobiphenyl	109		117		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 05 Batch: WG1949521-2 WG1949521-3									
Aroclor 1016	84		80		40-140	6		50	A
Aroclor 1260	86		82		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		72		30-150	A
Decachlorobiphenyl	79		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	B
Decachlorobiphenyl	91		84		30-150	B

PESTICIDES

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/19/24 22:05
Analyst: JAG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/19/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/24

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	1.19	J	ug/kg	1.72	0.399	1	B
4,4'-DDD	ND		ug/kg	1.72	0.615	1	A
4,4'-DDT	1.50	J	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: SA 101 E 150TH
Lab Number: L2439875
Project Number: 41.0163097.00
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 11:17
Date Received: 07/16/24
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	80		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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 07/19/24 22:16
Analyst: JAG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/19/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.76	0.345	1	A
Lindane	ND		ug/kg	0.735	0.328	1	A
Alpha-BHC	ND		ug/kg	0.735	0.209	1	A
Beta-BHC	ND		ug/kg	1.76	0.669	1	A
Heptachlor	ND		ug/kg	0.882	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.621	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.992	1	A
Endrin	ND		ug/kg	0.735	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.772	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.551	1	A
4,4'-DDE	2.92		ug/kg	1.76	0.408	1	A
4,4'-DDD	ND		ug/kg	1.76	0.629	1	A
4,4'-DDT	2.36		ug/kg	1.76	1.42	1	B
Endosulfan I	ND		ug/kg	1.76	0.417	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.735	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.26	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.582	1	A
Chlordane	ND		ug/kg	14.7	5.84	1	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	92		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 07/21/24 13:36
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 07/20/24 13:20

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: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	31		30-150	A
Decachlorobiphenyl	32		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	**29**	Q	30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/19/24 20:45
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/19/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1948302-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	1.54	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.8	5.10	A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/19/24 20:45
Analyst: JAG

Extraction Method: EPA 3546
Extraction Date: 07/18/24 01:10
Cleanup Method: EPA 3620B
Cleanup Date: 07/19/24
Cleanup Method: EPA 3660B
Cleanup Date: 07/19/24

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-02 Batch: WG1948302-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/21/24 13:01
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 07/20/24 13:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1949381-1						
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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 07/21/24 13:01
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 07/20/24 13:20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 05 Batch: WG1949381-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	30-150	A
Decachlorobiphenyl	**25**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	**29**	Q	30-150	B
Decachlorobiphenyl	31		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1948302-2 WG1948302-3									
Delta-BHC	97		104		30-150	7		30	A
Lindane	88		93		30-150	6		30	A
Alpha-BHC	94		100		30-150	6		30	A
Beta-BHC	104		115		30-150	10		30	A
Heptachlor	94		98		30-150	4		30	A
Aldrin	93		98		30-150	5		30	A
Heptachlor epoxide	81		85		30-150	5		30	A
Endrin	98		102		30-150	4		30	A
Endrin aldehyde	94		101		30-150	7		30	A
Endrin ketone	95		101		30-150	6		30	A
Dieldrin	103		105		30-150	2		30	A
4,4'-DDE	95		99		30-150	4		30	A
4,4'-DDD	103		106		30-150	3		30	A
4,4'-DDT	98		99		30-150	1		30	A
Endosulfan I	94		97		30-150	3		30	A
Endosulfan II	96		98		30-150	2		30	A
Endosulfan sulfate	90		94		30-150	4		30	A
Methoxychlor	91		96		30-150	5		30	A
cis-Chlordane	89		93		30-150	4		30	A
trans-Chlordane	108		112		30-150	4		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1948302-2 WG1948302-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		87		30-150	A
Decachlorobiphenyl	81		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		89		30-150	B
Decachlorobiphenyl	96		99		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1949381-2 WG1949381-3									
Delta-BHC	69		68		30-150	1		20	A
Lindane	69		69		30-150	1		20	A
Alpha-BHC	69		69		30-150	1		20	A
Beta-BHC	80		79		30-150	1		20	A
Heptachlor	71		71		30-150	1		20	A
Aldrin	70		69		30-150	1		20	A
Heptachlor epoxide	71		72		30-150	1		20	A
Endrin	72		73		30-150	2		20	A
Endrin aldehyde	54		60		30-150	10		20	A
Endrin ketone	67		76		30-150	13		20	A
Dieldrin	77		77		30-150	1		20	A
4,4'-DDE	72		72		30-150	1		20	A
4,4'-DDD	76		78		30-150	3		20	A
4,4'-DDT	71		73		30-150	4		20	A
Endosulfan I	67		69		30-150	4		20	A
Endosulfan II	69		74		30-150	6		20	A
Endosulfan sulfate	65		73		30-150	11		20	A
Methoxychlor	69		72		30-150	3		20	A
cis-Chlordane	63		65		30-150	4		20	A
trans-Chlordane	83		80		30-150	3		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 05 Batch: WG1949381-2 WG1949381-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	**28**	Q	30-150	A
Decachlorobiphenyl	33		34		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**28**	Q	**27**	Q	30-150	B
Decachlorobiphenyl	36		35		30-150	B

METALS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY
Sample Depth:
Matrix: Soil
Percent Solids: 90%

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4120		mg/kg	8.77	2.37	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.38	0.333	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Arsenic, Total	1.79		mg/kg	0.877	0.182	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Barium, Total	26.2		mg/kg	0.877	0.152	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.258	J	mg/kg	0.438	0.029	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.141	J	mg/kg	0.877	0.086	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Calcium, Total	5980		mg/kg	8.77	3.07	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Chromium, Total	11.9		mg/kg	0.877	0.084	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.16		mg/kg	1.75	0.146	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Copper, Total	14.0		mg/kg	0.877	0.226	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Iron, Total	10600		mg/kg	4.38	0.792	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Lead, Total	22.2		mg/kg	4.38	0.235	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Magnesium, Total	1980		mg/kg	8.77	1.35	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Manganese, Total	186		mg/kg	0.877	0.139	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Mercury, Total	0.076	J	mg/kg	0.077	0.050	1	07/17/24 23:45	07/19/24 17:05	EPA 7471B	1,7471B	JWN
Nickel, Total	8.42		mg/kg	2.19	0.212	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Potassium, Total	636		mg/kg	219	12.6	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.75	0.226	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.438	0.248	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Sodium, Total	157	J	mg/kg	175	2.76	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.75	0.276	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Vanadium, Total	17.5		mg/kg	0.877	0.178	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF
Zinc, Total	32.5		mg/kg	4.38	0.257	2	07/17/24 16:23	07/19/24 14:35	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	7320		mg/kg	8.68	2.34	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.34	0.330	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Arsenic, Total	3.68		mg/kg	0.868	0.180	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Barium, Total	38.7		mg/kg	0.868	0.151	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.406	J	mg/kg	0.434	0.029	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.868	0.085	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Calcium, Total	10100		mg/kg	8.68	3.04	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Chromium, Total	15.2		mg/kg	0.868	0.083	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Cobalt, Total	3.85		mg/kg	1.74	0.144	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Copper, Total	15.3		mg/kg	0.868	0.224	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Iron, Total	15000		mg/kg	4.34	0.784	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Lead, Total	69.0		mg/kg	4.34	0.233	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Magnesium, Total	3820		mg/kg	8.68	1.34	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Manganese, Total	299		mg/kg	0.868	0.138	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Mercury, Total	0.057	J	mg/kg	0.083	0.054	1	07/17/24 23:45	07/19/24 17:09	EPA 7471B	1,7471B	JWN
Nickel, Total	9.89		mg/kg	2.17	0.210	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Potassium, Total	763		mg/kg	217	12.5	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.74	0.224	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.434	0.246	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Sodium, Total	201		mg/kg	174	2.73	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Thallium, Total	ND		mg/kg	1.74	0.273	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Vanadium, Total	20.0		mg/kg	0.868	0.176	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF
Zinc, Total	81.2		mg/kg	4.34	0.254	2	07/17/24 16:23	07/19/24 14:39	EPA 3050B	1,6010D	JMF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-05
Client ID: FB-2024-07-16
Sample Location: BRONX, NY
Date Collected: 07/16/24 12:30
Date Received: 07/16/24
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	ND		mg/l	0.0100	0.00327	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Barium, Total	0.00017	J	mg/l	0.00050	0.00017	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/17/24 17:26	07/19/24 13:28	EPA 7470A	1,7470A	JWN
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Sodium, Total	0.124		mg/l	0.100	0.0293	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/17/24 14:49	07/19/24 11:56	EPA 3005A	1,6020B	EJF

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1947915-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Antimony, Total	ND		mg/kg	2.00	0.152	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Iron, Total	0.439	J	mg/kg	2.00	0.361	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	07/17/24 16:23	07/19/24 12:47	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	07/17/24 16:23	07/19/24 12:47	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): 01-02 Batch: WG1947916-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	07/17/24 23:45	07/19/24 16:16	1,7471B	JWN

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

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): 05 Batch: WG1948084-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Antimony, Total	ND		mg/l	0.00400	0.00042	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Barium, Total	ND		mg/l	0.00050	0.00017	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Calcium, Total	ND		mg/l	0.100	0.0394	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Chromium, Total	ND		mg/l	0.00100	0.00017	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Copper, Total	ND		mg/l	0.00100	0.00038	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Iron, Total	ND		mg/l	0.0500	0.0191	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Lead, Total	ND		mg/l	0.00100	0.00034	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Manganese, Total	ND		mg/l	0.00100	0.00044	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Potassium, Total	ND		mg/l	0.100	0.0309	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Selenium, Total	ND		mg/l	0.00500	0.00173	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Silver, Total	ND		mg/l	0.00040	0.00016	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Sodium, Total	ND		mg/l	0.100	0.0293	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Thallium, Total	ND		mg/l	0.00100	0.00014	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB
Zinc, Total	ND		mg/l	0.01000	0.00341	1	07/17/24 14:49	07/18/24 06:33	1,6020B	NTB

Prep Information

Digestion Method: EPA 3005A

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00
Lab Number: L2439875
Report Date: 07/30/24

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 Batch: WG1948085-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	07/17/24 17:26	07/19/24 12:25	1,7470A	JWN

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1947915-2								
Aluminum, Total	104		-		80-120	-		
Antimony, Total	106		-		80-120	-		
Arsenic, Total	101		-		80-120	-		
Barium, Total	104		-		80-120	-		
Beryllium, Total	108		-		80-120	-		
Cadmium, Total	107		-		80-120	-		
Calcium, Total	106		-		80-120	-		
Chromium, Total	106		-		80-120	-		
Cobalt, Total	106		-		80-120	-		
Copper, Total	108		-		80-120	-		
Iron, Total	107		-		80-120	-		
Lead, Total	102		-		80-120	-		
Magnesium, Total	106		-		80-120	-		
Manganese, Total	106		-		80-120	-		
Nickel, Total	107		-		80-120	-		
Potassium, Total	108		-		80-120	-		
Selenium, Total	104		-		80-120	-		
Silver, Total	108		-		80-120	-		
Sodium, Total	108		-		80-120	-		
Thallium, Total	101		-		80-120	-		
Vanadium, Total	107		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1947915-2					
Zinc, Total	108	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1947916-2					
Mercury, Total	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1948084-2					
Aluminum, Total	110	-	80-120	-	
Antimony, Total	87	-	80-120	-	
Arsenic, Total	103	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	105	-	80-120	-	
Chromium, Total	114	-	80-120	-	
Cobalt, Total	111	-	80-120	-	
Copper, Total	108	-	80-120	-	
Iron, Total	104	-	80-120	-	
Lead, Total	99	-	80-120	-	
Magnesium, Total	107	-	80-120	-	
Manganese, Total	116	-	80-120	-	
Nickel, Total	111	-	80-120	-	
Potassium, Total	114	-	80-120	-	
Selenium, Total	108	-	80-120	-	
Silver, Total	102	-	80-120	-	
Sodium, Total	112	-	80-120	-	
Thallium, Total	99	-	80-120	-	
Vanadium, Total	109	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1948084-2					
Zinc, Total	112	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 05 Batch: WG1948085-2					
Mercury, Total	99	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947915-3 QC Sample: L2439692-01 Client ID: MS Sample												
Aluminum, Total	2060	164	2240	109		-	-		75-125	-		20
Antimony, Total	2.13J	41.1	38.2	93		-	-		75-125	-		20
Arsenic, Total	10.7	9.87	19.4	88		-	-		75-125	-		20
Barium, Total	114	164	236	**74**	Q	-	-		75-125	-		20
Beryllium, Total	0.314J	4.11	4.18	102		-	-		75-125	-		20
Cadmium, Total	9.69	4.36	9.67	**0**	Q	-	-		75-125	-		20
Calcium, Total	153000	822	160000	**851**	Q	-	-		75-125	-		20
Chromium, Total	10.6	16.4	23.0	75		-	-		75-125	-		20
Cobalt, Total	4.63	41.1	39.5	85		-	-		75-125	-		20
Copper, Total	786	20.6	788	**10**	Q	-	-		75-125	-		20
Iron, Total	19700	82.2	13200	**0**	Q	-	-		75-125	-		20
Lead, Total	568	43.6	568	**0**	Q	-	-		75-125	-		20
Magnesium, Total	7300	822	7750	**55**	Q	-	-		75-125	-		20
Manganese, Total	260	41.1	235	**0**	Q	-	-		75-125	-		20
Nickel, Total	17.2	41.1	50.8	82		-	-		75-125	-		20
Potassium, Total	309J	822	1100	**134**	Q	-	-		75-125	-		20
Selenium, Total	0.696J	9.87	9.49	96		-	-		75-125	-		20
Silver, Total	ND	4.11	4.39	107		-	-		75-125	-		20
Sodium, Total	186J	822	1010	123		-	-		75-125	-		20
Thallium, Total	ND	9.87	8.10	82		-	-		75-125	-		20
Vanadium, Total	9.33	41.1	46.9	91		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947915-3 QC Sample: L2439692-01 Client ID: MS Sample										
Zinc, Total	428	41.1	355	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947916-3 QC Sample: L2439692-01 Client ID: MS Sample										
Mercury, Total	0.458	1.56	1.81	86		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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 QC Batch ID: WG1948084-3 WG1948084-4 QC Sample: L2439730-05 Client ID: MS Sample									
Aluminum, Total	0.0703	2	2.20	106	2.14	103	75-125	3	20
Antimony, Total	0.00091J	0.5	0.4419	88	0.4284	86	75-125	3	20
Arsenic, Total	0.00506	0.12	0.1264	101	0.1207	96	75-125	5	20
Barium, Total	0.04466	2	2.060	101	1.980	97	75-125	4	20
Beryllium, Total	ND	0.05	0.05072	101	0.04745	95	75-125	7	20
Cadmium, Total	ND	0.053	0.05374	101	0.05060	95	75-125	6	20
Calcium, Total	14.5	10	25.4	109	24.0	95	75-125	6	20
Chromium, Total	0.00043J	0.2	0.2249	112	0.2169	108	75-125	4	20
Cobalt, Total	ND	0.5	0.5490	110	0.5308	106	75-125	3	20
Copper, Total	0.00071J	0.25	0.2692	108	0.2595	104	75-125	4	20
Iron, Total	0.124	1	1.16	104	1.11	99	75-125	4	20
Lead, Total	0.00056J	0.53	0.5245	99	0.4915	93	75-125	6	20
Magnesium, Total	5.43	10	16.3	109	15.6	102	75-125	4	20
Manganese, Total	0.02547	0.5	0.6021	115	0.5748	110	75-125	5	20
Nickel, Total	ND	0.5	0.5580	112	0.5424	108	75-125	3	20
Potassium, Total	2.50	10	14.0	115	13.5	110	75-125	4	20
Selenium, Total	ND	0.12	0.132	110	0.132	110	75-125	0	20
Silver, Total	ND	0.05	0.05034	101	0.04801	96	75-125	5	20
Sodium, Total	4.07	10	15.2	111	14.4	103	75-125	5	20
Thallium, Total	ND	0.12	0.1178	98	0.1119	93	75-125	5	20
Vanadium, Total	ND	0.5	0.5331	107	0.5193	104	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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 QC Batch ID: WG1948084-3 WG1948084-4 QC Sample: L2439730-05 Client ID: MS Sample									
Zinc, Total	0.00457J	0.5	0.5537	111	0.5379	108	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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 QC Batch ID: WG1948084-7 WG1948084-8 QC Sample: L2439783-01 Client ID: MS Sample											
Aluminum, Total	0.122	2	2.14	101		2.12	100		75-125	1	20
Antimony, Total	ND	0.5	0.4894	98		0.4947	99		75-125	1	20
Arsenic, Total	0.00561	0.12	0.1258	100		0.1226	97		75-125	3	20
Barium, Total	0.3734	2	2.421	102		2.385	100		75-125	1	20
Beryllium, Total	ND	0.05	0.05010	100		0.05012	100		75-125	0	20
Cadmium, Total	ND	0.053	0.05084	96		0.05145	97		75-125	1	20
Calcium, Total	199.	10	212	**130**	Q	200	**10**	Q	75-125	6	20
Chromium, Total	0.00019J	0.2	0.1877	94		0.1825	91		75-125	3	20
Cobalt, Total	0.00026J	0.5	0.5041	101		0.4730	95		75-125	6	20
Copper, Total	0.00084J	0.25	0.2405	96		0.2355	94		75-125	2	20
Iron, Total	5.55	1	6.49	94		5.96	**41**	Q	75-125	9	20
Lead, Total	0.00059J	0.53	0.5031	95		0.5115	96		75-125	2	20
Magnesium, Total	63.7	10	74.8	111		68.4	**47**	Q	75-125	9	20
Manganese, Total	0.1772	0.5	0.7038	105		0.6677	98		75-125	5	20
Nickel, Total	0.00075J	0.5	0.4769	95		0.4584	92		75-125	4	20
Potassium, Total	28.8	10	39.5	107		37.0	82		75-125	7	20
Selenium, Total	ND	0.12	0.124	103		0.120	100		75-125	3	20
Silver, Total	ND	0.05	0.04812	96		0.04840	97		75-125	1	20
Sodium, Total	1050	10	1050	**0**	Q	1030	**0**	Q	75-125	2	20
Thallium, Total	ND	0.12	0.1130	94		0.1147	96		75-125	1	20
Vanadium, Total	ND	0.5	0.4887	98		0.4880	98		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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 QC Batch ID: WG1948084-7 WG1948084-8 QC Sample: L2439783-01 Client ID: MS Sample									
Zinc, Total	0.00387J	0.5	0.5063	101	0.4913	98	75-125	3	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1948085-3 WG1948085-4 QC Sample: L2439730-05 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00495	99	0.00461	92	75-125	7	20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1948085-5 WG1948085-6 QC Sample: L2439783-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00474	95	0.00484	97	75-125	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947915-4 QC Sample: L2439692-01 Client ID: DUP Sample						
Aluminum, Total	2060	2040	mg/kg	1		20
Antimony, Total	2.13J	2.47J	mg/kg	NC		20
Arsenic, Total	10.7	11.8	mg/kg	10		20
Barium, Total	114	118	mg/kg	3		20
Beryllium, Total	0.314J	0.281J	mg/kg	NC		20
Cadmium, Total	9.69	7.36	mg/kg	**27**	Q	20
Calcium, Total	153000	141000	mg/kg	8		20
Chromium, Total	10.6	14.4	mg/kg	**30**	Q	20
Cobalt, Total	4.63	5.24	mg/kg	12		20
Copper, Total	786	1340	mg/kg	**52**	Q	20
Iron, Total	19700	20100	mg/kg	2		20
Lead, Total	568	648	mg/kg	13		20
Magnesium, Total	7300	7690	mg/kg	5		20
Manganese, Total	260	272	mg/kg	5		20
Nickel, Total	17.2	20.3	mg/kg	17		20
Potassium, Total	309J	282J	mg/kg	NC		20
Selenium, Total	0.696J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	186J	186J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947915-4 QC Sample: L2439692-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	9.33	9.09	mg/kg	3	20
Zinc, Total	428	448	mg/kg	5	20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1947916-4 QC Sample: L2439692-01 Client ID: DUP Sample					
Mercury, Total	0.458	0.541	mg/kg	17	20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2439875
Report Date: 07/30/24

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1948084-10 QC Sample: L2439783-01 Client ID: DUP Sample						
Barium, Total	0.3734	0.3806	mg/l	2		20
Calcium, Total	199.	201.	mg/l	1		20
Iron, Total	5.55	5.21	mg/l	6		20
Magnesium, Total	63.7	61.9	mg/l	3		20
Manganese, Total	0.1772	0.1695	mg/l	4		20
Potassium, Total	28.8	27.4	mg/l	5		20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1948084-10 QC Sample: L2439783-01 Client ID: DUP Sample						
Sodium, Total	1050	1090	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 05 QC Batch ID: WG1948084-6 QC Sample: L2439730-05 Client ID: DUP Sample						
Barium, Total	0.04466	0.04662	mg/l	4		20
Calcium, Total	14.5	15.2	mg/l	5		20
Magnesium, Total	5.43	5.69	mg/l	5		20
Manganese, Total	0.02547	0.02659	mg/l	4		20
Potassium, Total	2.50	2.62	mg/l	5		20
Sodium, Total	4.07	4.21	mg/l	3		20

INORGANICS
&
MISCELLANEOUS

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-01
Client ID: EP-57 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 11:17
Date Received: 07/16/24
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	90.0		%	0.100	NA	1	-	07/17/24 04:04	121,2540G	WJM

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

SAMPLE RESULTS

Lab ID: L2439875-02
Client ID: EP-56 (5'BGS)
Sample Location: BRONX, NY

Date Collected: 07/16/24 12:20
Date Received: 07/16/24
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	88.6		%	0.100	NA	1	-	07/17/24 04:04	121,2540G	WJM

Lab Duplicate Analysis

Batch Quality Control

Project Name: SA 101 E 150TH

Project Number: 41.0163097.00

Lab Number: L2439875

Report Date: 07/30/24

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1947833-1 QC Sample: L2439875-01 Client ID: EP-57 (5'BGS)						
Solids, Total	90.0	90.0	%	0		20

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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(*)
L2439875-01A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2439875-01B	Vial water preserved	B	NA		4.3	Y	Absent	17-JUL-24 02:30	NYTCL-8260HLW(14)
L2439875-01C	Vial water preserved	B	NA		4.3	Y	Absent	17-JUL-24 02:30	NYTCL-8260HLW(14)
L2439875-01D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2439875-01E	Plastic 120ml unpreserved	B	NA		4.3	Y	Absent		TS(7)
L2439875-01F	Glass 250ml/8oz unpreserved	B	NA		4.3	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2439875-02A	Vial MeOH preserved	B	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2439875-02B	Vial water preserved	B	NA		4.3	Y	Absent	17-JUL-24 02:30	NYTCL-8260HLW(14)
L2439875-02C	Vial water preserved	B	NA		4.3	Y	Absent	17-JUL-24 02:30	NYTCL-8260HLW(14)
L2439875-02D	Metals Only-Glass 60mL/2oz unpreserved	B	NA		4.3	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2439875-02E	Plastic 120ml unpreserved	B	NA		4.3	Y	Absent		TS(7)
L2439875-02E1	Plastic 2oz unpreserved for TS	B	NA		4.3	Y	Absent		TS(7)
L2439875-02F	Glass 250ml/8oz unpreserved	B	NA		4.3	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2439875-02G	Plastic 8oz unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(90)
L2439875-03A	Plastic 500ml unpreserved	B	NA		4.3	Y	Absent		HOLD-1633(28)
L2439875-03B	Plastic 950ml unpreserved	B	NA		4.3	Y	Absent		HOLD-1633(28)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2439875-04A	Plastic 500ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2439875-04B	Plastic 500ml unpreserved	B	NA		4.3	Y	Absent		A2-NY-1633-DRAFT-21(28)
L2439875-05A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L2439875-05B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L2439875-05C	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L2439875-05D	Amber 100ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439875-05E	Amber 100ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8270-RVT(7),NYTCL-8270-SIM-RVT(7)
L2439875-05F	Amber 120ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L2439875-05G	Amber 120ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8081(7)
L2439875-05H	Amber 120ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8082-LVI(365)
L2439875-05J	Amber 120ml unpreserved	B	7	7	4.3	Y	Absent		NYTCL-8082-LVI(365)
L2439875-05K	Plastic 250ml HNO3 preserved	B	<2	<2	4.3	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),CR-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),MG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2439875-05L	Amber 250ml unpreserved	B	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2439875-05M	Amber 250ml unpreserved	B	7	7	4.3	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2439875-06A	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)
L2439875-06B	Vial HCl preserved	B	NA		4.3	Y	Absent		NYTCL-8260(14)

*Values in parentheses indicate holding time in days

Project Name: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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: SA 101 E 150TH
Project Number: 41.0163097.00

Lab Number: L2439875
Report Date: 07/30/24

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:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

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:	SA 101 E 150TH	**Lab Number:**	L2439875
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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

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:	SA 101 E 150TH	**Lab Number:**	L2439875
Project Number:	41.0163097.00	**Report Date:**	07/30/24

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

L2439875 23JUL24
GZA – NYC

ALPHA ANALYTICAL

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

Page 1 of 1

Date Rec'd in Lab 7/17/24

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 347-443-1059
Fax:
Email: Reinbill.Maniquez@gza.com

Project Information
Project Name: SA 101 E 150th
Project Location: Bronx, NY
Project # 41.0163097.00
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #:

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

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

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

Billing Information
☐ Same as Client Info
PO #

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

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Hold analysis for EB PFAS 2024-07-16 (Equipment Blank)

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	VOCs 8260C	SVOCs 8270D	TAL Metals	Pesticides/PCBs 8081/8082	1,4-Dioxane	PFAS 1633			Sample Specific Comments	Total Bottle
39875-01	EP-ST (5' bgs)	7/16/24	11:17	S	JN	X	X	X	X	X					
02	EP-S6 (5' bgs)		12:20	S		X	X	X	X	X	X				
03	EB PFAS 2024-07-16		12:00	W							X				
04	FB PFAS 2024-07-16		12:05								X				
05	FB 2024-07-16		12:30			X	X	X	X	X					
06	TB 2024-07-16		-			X	X	X	X	X	X				

Container Type: V A A A P
Preservative: A A A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
Jazlyn Natalie (GZA)	7/16/24 14:30	FEDEX PACE	7-16-24 14:30
FEDEX PACE 18:40	7-16-24		7/16/24 19:25
	7/16/24		7/16 2200
	7/17 120		7/17/24 120

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)