APPENDIX E – GREEN AND SUSTAINABLE REMEDIATION

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October 2, 2025
41.0163097.00
586 River Ave., LLC
95 Pine Street, 6th Floor
New York, New York 10005

Green and Sustainable Remediation Evaluation
101 East 150th Street
Bronx, NY 11101
NYSDEC BCP Site Number – C203154

Sites remediated under the oversight of the New York State Department of Environmental Conservation (NYSDEC) are required to incorporate the concepts of green remediation into all phases of the cleanup process in accordance with DER-31. Green remediation is defined as "*the practice of considering all environmental effects of remedy implementation and incorporating options to minimize the environmental footprint of cleanup actions*." GZA GeoEnvironmental of New York (GZA) has completed the following evaluation of the site management activities associated with the *Site Management Plan* (SMP) for the site located at 1101 East 150th Street in the Bronx, New York utilizing the SiteWise™ tool for green and sustainable remediation tracking and information provided by the site owner, 586 River Ave., LLC, and its subcontractors.

BACKGROUND

The site is located at Block 2354, Lot 1 in Bronx County New York and identified as 101 East 150th Street in Bronx, New York. 586 River Ave., LLC entered into the Brownfield Cleanup Program (BCP) with the NYSDEC to investigate and remediate the site for the development of a six-story school building with approximately 304,711 gross square feet. The site is approximately 2.27 acres and is situated in the Lower Concourse neighborhood of Bronx and surrounded by residential, commercial, and industrial properties. The site has undergone a remedial investigation submitted to NYSDEC in November 2022 for the BCP. Due to the contamination observed during the 2022 remedial investigation, GZA has prepared the RAWP to begin remediation of the Site and limit potential exposure to hazardous materials during the initial construction phase. Prior to the development of the RAWP several remedial components were already implemented at the Site under Interim Remedial Measures (IRMs). The IRMs included the excavation and disposal of VOC impacted soils beneath the northern parking lot area and within the building footprint to between 2 and 10 ft below grade and the dewatering from excavation areas below the water table. A portion of the VOC impacted area that was excavated was backfilled with an in-situ chemical oxidation (ISCO) material mixed with clean soils to improve the breakdown of residual VOCs in the groundwater.

The remedy implemented during the remedial action was a Track 4 alternative including the excavation of impacted soils to the depth of the foundation, the installation of an active SSDS, long-term monitoring (LTM) of groundwater, and In-situ soil stabilization below the building foundation. As a part of the Track 4 remedy, a Site Management Plan has been developed for the Site for ongoing monitoring, sampling, and maintenance activities. The site management activities evaluated in this GSR evaluation include the site side inspection, monitoring, maintenance, and sampling of the SSDS and SVE System, and quarterly groundwater sampling.

Descriptions of the general activities performed under these actions as well as the parameters used for the SiteWise™ evaluation are presented in the following sections.

FOOTPRINT ANALYSIS

SITE-WIDE INSPECTION

An annual Site-wide inspection will be performed to assess the condition of the engineering controls (ECs) in place from the remedy. The annual inspection will focus on evaluating the condition of the site cap, monitoring wells, SSDS, and SVE System and ongoing record keeping required under the SMP.

The assumptions utilized in the analysis of the demolition process include the following:

- 1 GZA qualified environmental professional (QEP) will perform the inspection annually for 5-years.
- All travel will be from the GZA Manhattan office, approximately 9 miles one way, via public transit.

SSDS AND SVE SYSTEM MONITORING, SAMPLING, AND MAINTENANCE

The SSDS is an active system and consists of 16 extraction pits with piping to 7 vertical risers in the building which manifold into two fans venting above the roof line. Each fan is operated continuously with alarms to notify building maintenance staff of shutdowns. The SVE system is an active system that consists of two horizontal extraction pipes at different elevations within the same trench along the northwest side of the building to prevent offsite soil vapor migration. The SVE system has a single radial blower in continuous operation with a similar alarm system. Ongoing monitoring and sampling for both systems will be performed by a QEP on a monthly basis for measuring vacuum in both systems and visual inspections, and annually for measuring vacuum at the SSDS monitoring points and sampling for both systems.

The assumptions utilized in the analysis of the demolition process include the following:

- 1 GZA qualified environmental professional (QEP) will perform the monthly and annually monitoring and sampling for a period of 2 years
- All travel will be from the GZA Manhattan office, approximately 9 miles one way, via public transit.
- Sampling will be conducted once per year and include TO-15 samples collected from the pre-, mid-, and post-carbon drums on the treatment system, 15 monitoring points, 7 indoor air locations, and 1 outdoor air location.
- Vacuum monitoring will be performed utilizing a micromanometer.
- Samples will be transported to and from the laboratory facility via SUV, approximately 200 miles.

QUARTERLY GROUNDWATER SAMPLING

The remedy included the use of in-situ treatment through the direct application of RegenOx® in hot spot areas prior to backfilling the excavation. On going monitoring of the remedy's monitored attenuation will be completed by conducting quarterly groundwater sampling from 3 downgradient and 1 upgradient monitoring wells at the

Site. Samples will be analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and total and dissolved metals (including mercury and cyanide).

The assumptions utilized in the analysis of the demolition process include the following:

- 1 GZA sampling technicians will perform the quarterly sampling for a period of 2 years.
- All travel will be from the GZA Manhattan office, approximately 9 miles one way, via SUV.
- Sampling will be conducted once per quarter utilizing a peristaltic pump and dedicated tubing with a flow-through cell water quality meter.
- Samples will be transported to and from the laboratory facility via SUV, approximately 200 miles.
- 3 well volumes will be purged during each sampling event, approximately 20 gallons.

EVALUATION RESULTS SUMMARY

SiteWise™ breaks down the impacts of project into the following categories:

- Greenhouse gas emissions (metric tons)
- Total energy used (million british thermal units)
- Water consumption (gallons)
- Electricity Usage (megawatt hours)
- Onsite nitrous oxide emissions (metric tons)
- Onsite sulfur oxide emissions (metric tons)
- Onsite particulate matter less than 10 microns (PM10) emissions (metric tons)
- Total nitrous oxide emissions (metric tons)
- Total sulfur oxide emissions (metric tons)
- Total PM10 emissions (metric tons)
- Accident fatality risk
- Accident injury risk

The project impacts for these categories are provided for project wide evaluation as well as individual components of the project. The detailed summary of the evaluation, including the comparison of impacts from each alternative and each alternatives' environmental footprint, is provided in **Attachment 1**. A climate screening checklist of the remedy is also provided as **Attachment 2**.

Overall, the project related impacts from the site management activities include 77.61 metric tons of greenhouse gas emissions, 1,644.88 million British thermal units of energy consumed, 98,052 gallons of water consumed, and 191.95 megawatt hours of electricity used. The largest impacts across these four metrics is related to the continually operation of the blowers for the SSDS and SVE system for electricity generation at upstream sources.

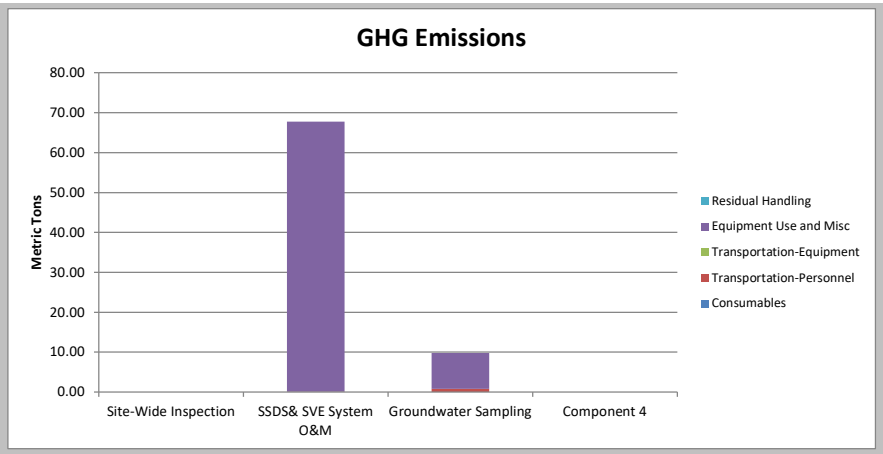
Attachment 1 – SiteWise™ Footprint Analysis

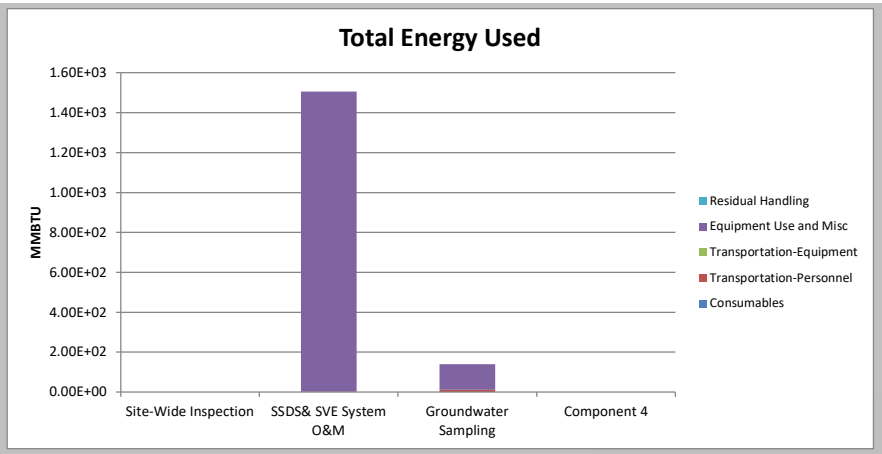
OVERALL EVALUATION

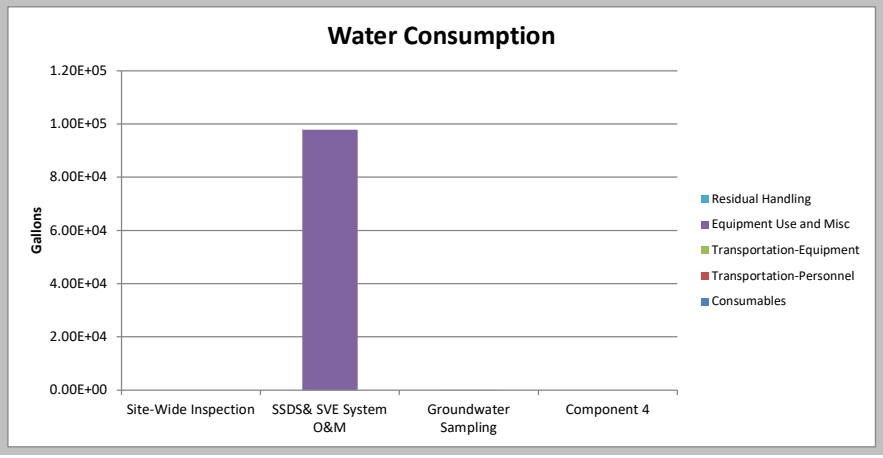
Sustainable Remediation - Environmental Footprint Summary
SA SMP

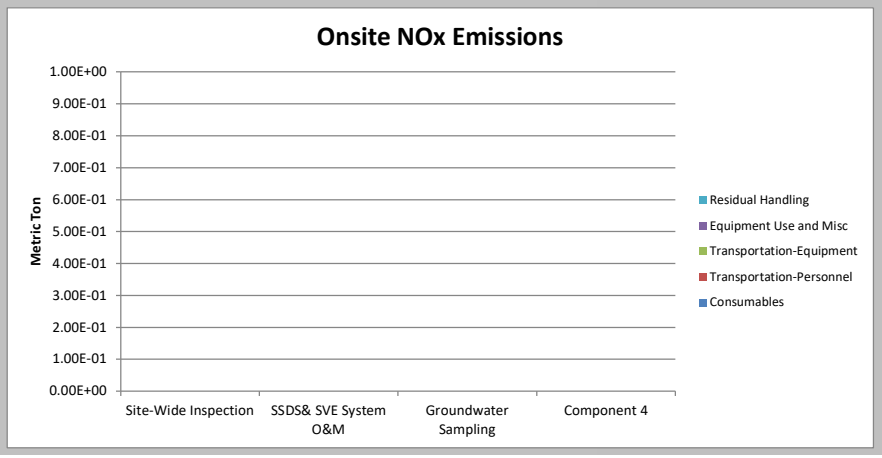
Phase	Activities	GHG Emissions	Total Energy Used	Water Consumption	Electricity Usage	Onsite NOx Emissions	Onsite SOx Emissions	Onsite PM10 Emissions	Total NOx Emissions	Total SOx Emissions	Total PM10 Emissions	Accident Risk Fatality	Accident Risk Injury
		metric ton	MMBTU	gallons	MWH	metric ton	metric ton	metric ton	metric ton	metric ton	metric ton		
Site-Wide Inspection	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	NA	NA
	Transportation-Personnel	0.00	2.7E-02	NA	NA	NA	NA	NA	2.2E-07	3.1E-06	3.2E-08	7.2E-09	9.3E-07
	Transportation-Equipment	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use and Misc	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	3.6E-08	4.4E-05
	Residual Handling	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	0.00	2.73E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.16E-07	3.06E-06	3.24E-08	4.32E-08	4.49E-05
SSDS& SVE System O&M	Consumables	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	NA	NA
	Transportation-Personnel	0.12	1.5E+00	NA	NA	NA	NA	NA	3.1E-05	3.8E-05	6.1E-06	1.6E-06	1.4E-04
	Transportation-Equipment	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use and Misc	67.66	1.5E+03	9.8E+04	1.9E+02	0.0E+00	0.0E+00	0.0E+00	9.0E-02	1.0E-01	4.7E-02	4.3E-07	5.3E-04
	Residual Handling	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	67.78	1.50E+03	9.79E+04	1.92E+02	0.00E+00	0.00E+00	0.00E+00	9.02E-02	1.02E-01	4.68E-02	2.08E-06	6.65E-04
Groundwater Sampling	Consumables	0.03	1.2E+00	NA	NA	NA	NA	NA	5.8E-05	7.7E-05	9.7E-06	NA	NA
	Transportation-Personnel	0.80	1.0E+01	NA	NA	NA	NA	NA	2.5E-04	1.0E-05	5.0E-05	1.4E-05	1.1E-03
	Transportation-Equipment	0.00	0.0E+00	NA	NA	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Equipment Use and Misc	9.00	1.3E+02	1.6E+02	8.9E-05	0.0E+00	0.0E+00	0.0E+00	4.3E-02	3.2E-02	3.6E-03	2.9E-07	3.5E-04
	Residual Handling	0.00	0.0E+00	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
	Sub-Total	9.83	1.40E+02	1.60E+02	8.87E-05	0.00E+00	0.00E+00	0.00E+00	4.35E-02	3.25E-02	3.66E-03	1.39E-05	1.45E-03
Component 4	Consumables	0.00	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-	NA	NA	NA
	Transportation-Personnel	0.00	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-	-	0.0E+00	0.0E+00
	Transportation-Equipment	0.00	NA	NA	NA	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-	-	0.0E+00	0.0E+00
	Equipment Use and Misc	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-	-	0.0E+00	0.0E+00
	Residual Handling	0.00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	-	-	0.0E+00	0.0E+00
	Sub-Total	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Total		**7.8E+01**	**1.6E+03**	**9.8E+04**	**1.9E+02**	**0.0E+00**	**0.0E+00**	**0.0E+00**	**1.3E-01**	**1.3E-01**	**5.0E-02**	**1.6E-05**	**2.2E-03**

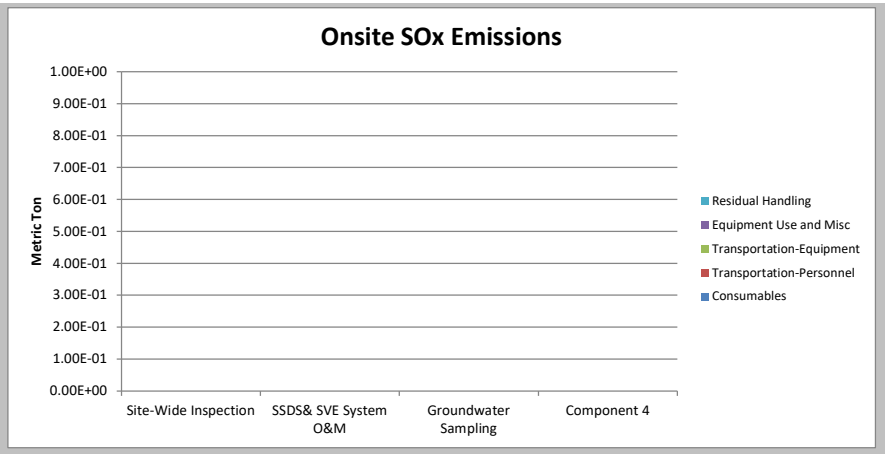
Remedial Alternative Phase	Non-Hazardous Waste Landfill Space	Hazardous Waste Landfill Space	Topsoil Consumption	Costing	Lost Hours - Injury	Percent electricity from renewable sources	Total Cost with Footprint Reduction
	tons	tons	cubic yards	$		%	
Site-Wide Inspection	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	0.0%	$0
SSDS& SVE System O&M	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	24.2%	
Groundwater Sampling	0.0E+00	0.0E+00	0.0E+00	0	1.2E-02	24.2%	
Component 4	0.0E+00	0.0E+00	0.0E+00	0	0.0E+00	0.0%	
Total	**0.0E+00**	**0.0E+00**	**0.0E+00**	**$0**	**1.2E-02**	**12.1%**	

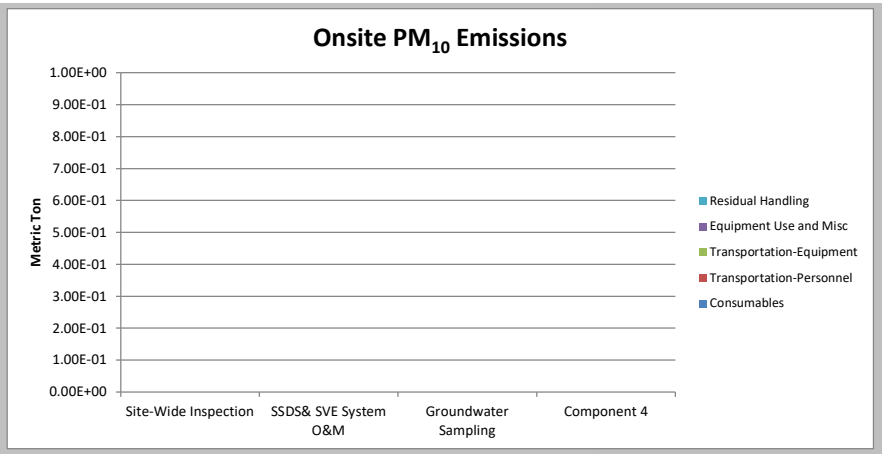

GHG Emissions
Metric Tons
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

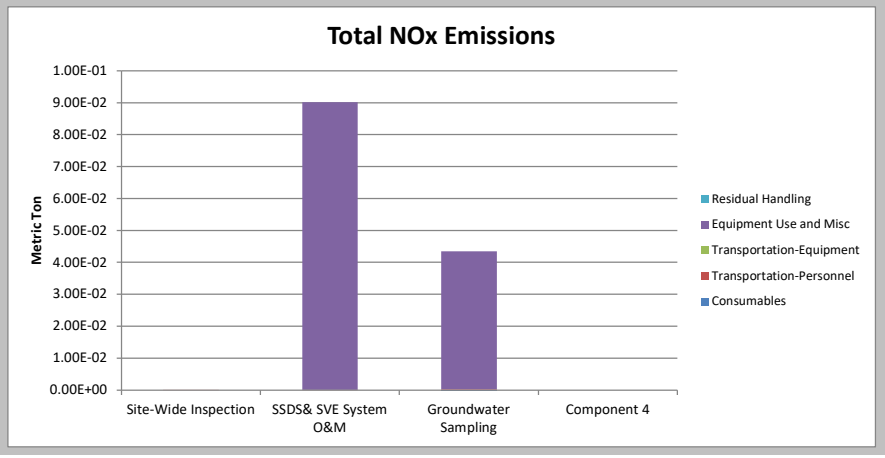

Total Energy Used
MMBTU
1.60E+03
1.40E+03
1.20E+03
1.00E+03
8.00E+02
6.00E+02
4.00E+02
2.00E+02
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

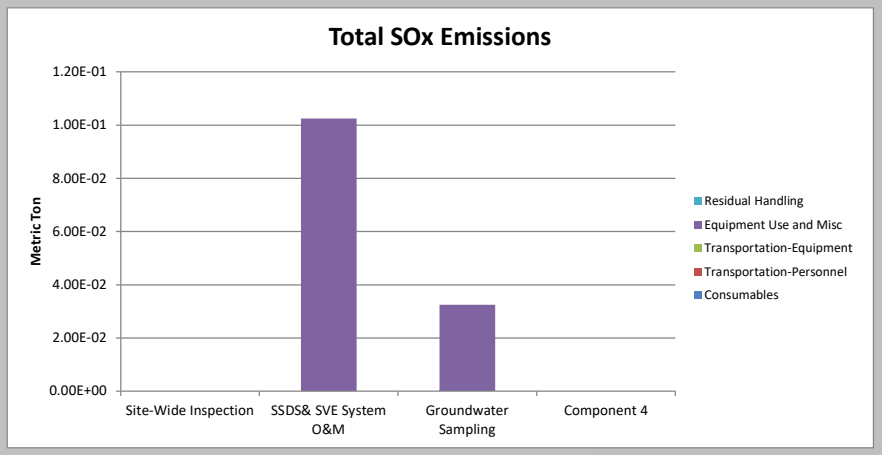

Water Consumption
Gallons
1.20E+05
1.00E+05
8.00E+04
6.00E+04
4.00E+04
2.00E+04
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

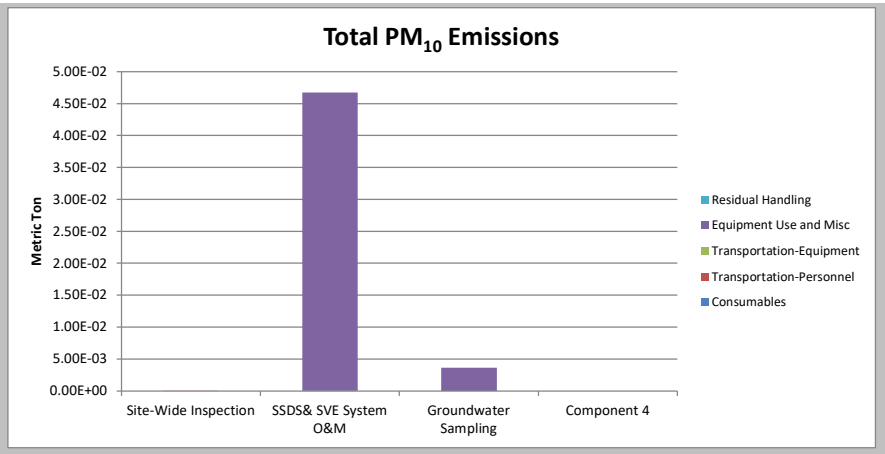

Onsite NOx Emissions
Metric Ton
1.00E+00
9.00E-01
8.00E-01
7.00E-01
6.00E-01
5.00E-01
4.00E-01
3.00E-01
2.00E-01
1.00E-01
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

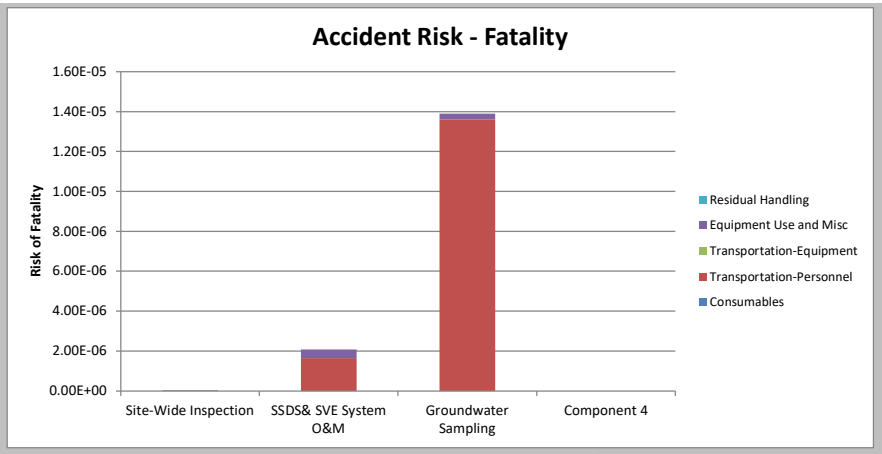

Onsite SOx Emissions
1.00E+00
9.00E-01
8.00E-01
7.00E-01
6.00E-01
5.00E-01
4.00E-01
3.00E-01
2.00E-01
1.00E-01
0.00E+00
Metric Ton
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

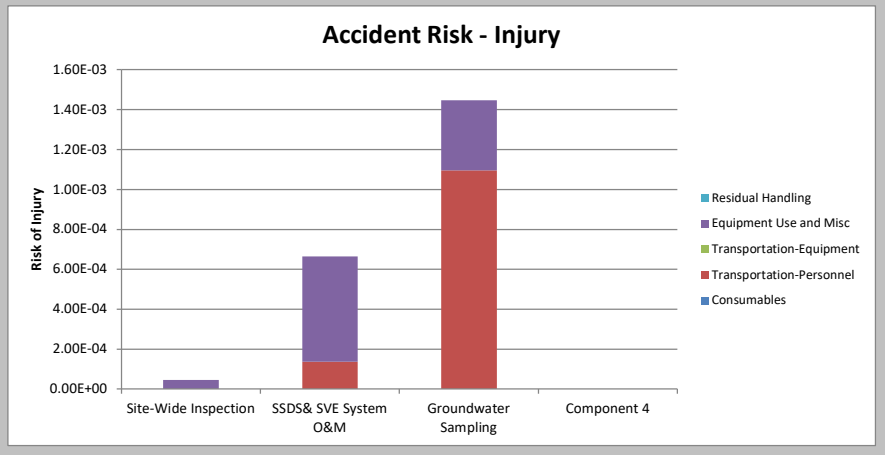

Onsite PM10 Emissions
1.00E+00
9.00E-01
8.00E-01
7.00E-01
6.00E-01
5.00E-01
4.00E-01
3.00E-01
2.00E-01
1.00E-01
0.00E+00
Metric Ton
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

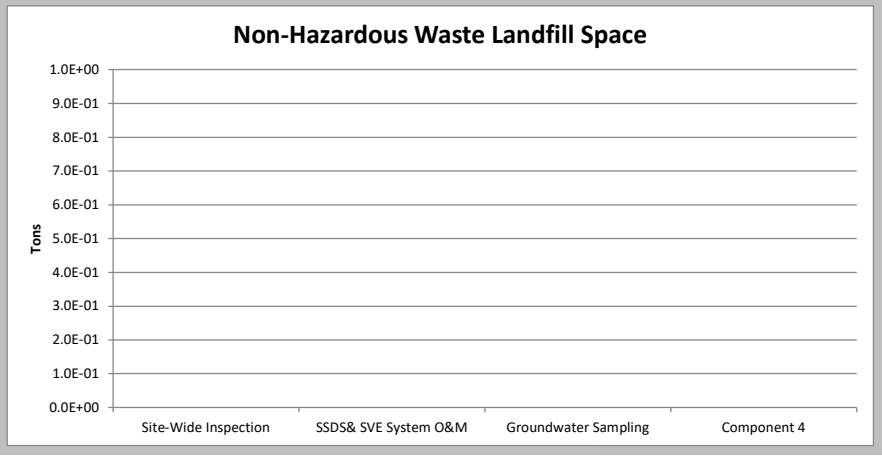

Total NOx Emissions
1.00E-01
9.00E-02
8.00E-02
7.00E-02
6.00E-02
5.00E-02
4.00E-02
3.00E-02
2.00E-02
1.00E-02
0.00E+00
Metric Ton
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

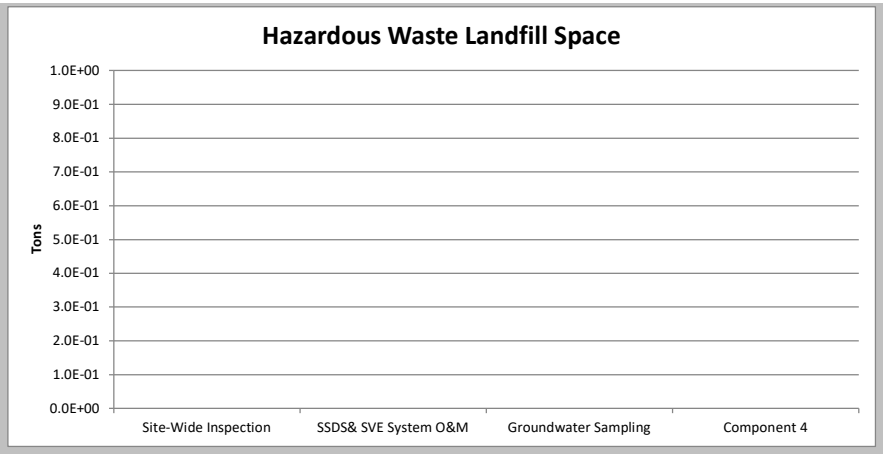

Total SOx Emissions
1.20E-01
1.00E-01
8.00E-02
6.00E-02
4.00E-02
2.00E-02
0.00E+00
Metric Ton
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

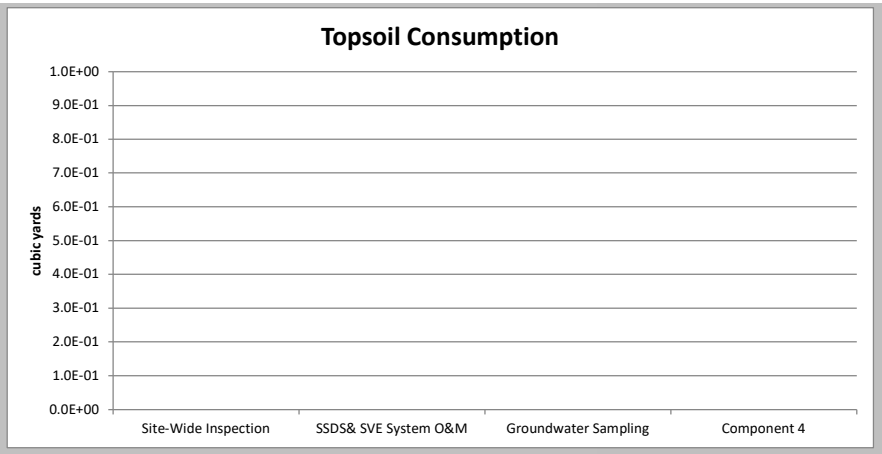

Total PM10 Emissions
Metric Ton
5.00E-02
4.50E-02
4.00E-02
3.50E-02
3.00E-02
2.50E-02
2.00E-02
1.50E-02
1.00E-02
5.00E-03
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables

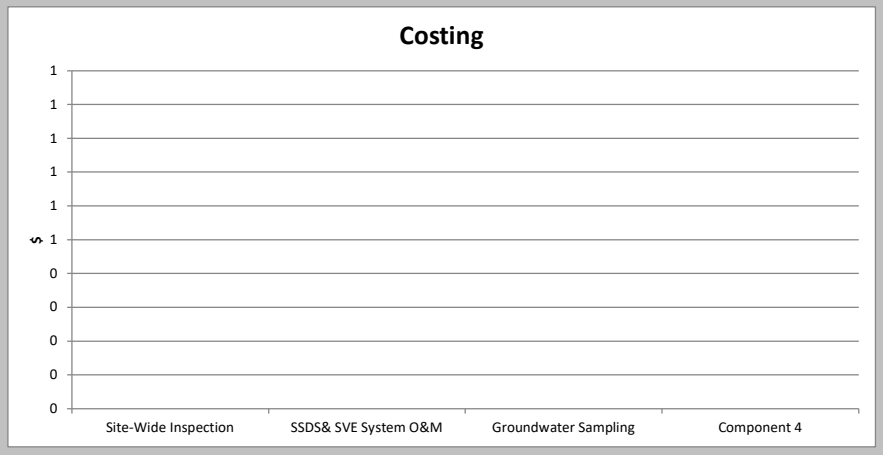

Accident Risk - Fatality
Risk of Fatality
1.60E-05
1.40E-05
1.20E-05
1.00E-05
8.00E-06
6.00E-06
4.00E-06
2.00E-06
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables


Accident Risk - Injury
Risk of Injury
1.60E-03
1.40E-03
1.20E-03
1.00E-03
8.00E-04
6.00E-04
4.00E-04
2.00E-04
0.00E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4
Residual Handling
Equipment Use and Misc
Transportation-Equipment
Transportation-Personnel
Consumables


Non-Hazardous Waste Landfill Space
Tons
1.0E+00
9.0E-01
8.0E-01
7.0E-01
6.0E-01
5.0E-01
4.0E-01
3.0E-01
2.0E-01
1.0E-01
0.0E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4


Hazardous Waste Landfill Space
Tons
1.0E+00
9.0E-01
8.0E-01
7.0E-01
6.0E-01
5.0E-01
4.0E-01
3.0E-01
2.0E-01
1.0E-01
0.0E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4


Topsoil Consumption
cubic yards
1.0E+00
9.0E-01
8.0E-01
7.0E-01
6.0E-01
5.0E-01
4.0E-01
3.0E-01
2.0E-01
1.0E-01
0.0E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4


Costing
$
1
1
1
1
1
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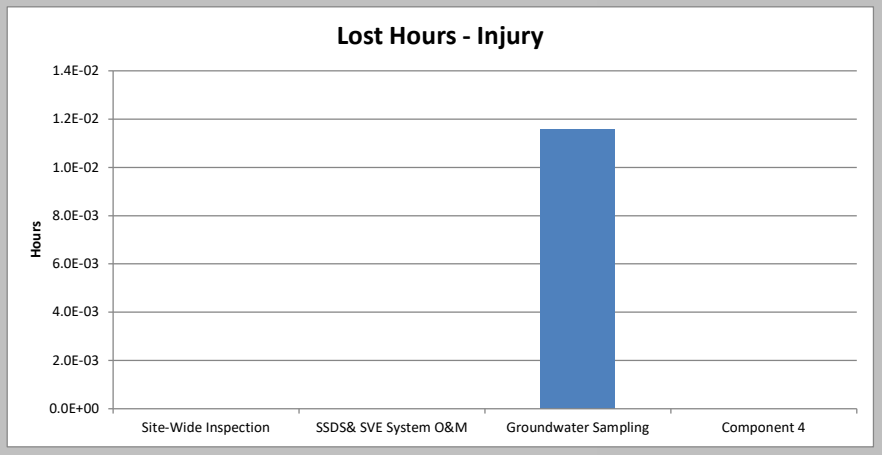
0
0
0
0
0
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4


Lost Hours - Injury
Hours
1.4E-02
1.2E-02
1.0E-02
8.0E-03
6.0E-03
4.0E-03
2.0E-03
0.0E+00
Site-Wide Inspection
SSDS& SVE System O&M
Groundwater Sampling
Component 4

COMPONENT 1

SITE-WIDE INSPECTION

Sustainable Remediation Summary - Site-Wide Inspection

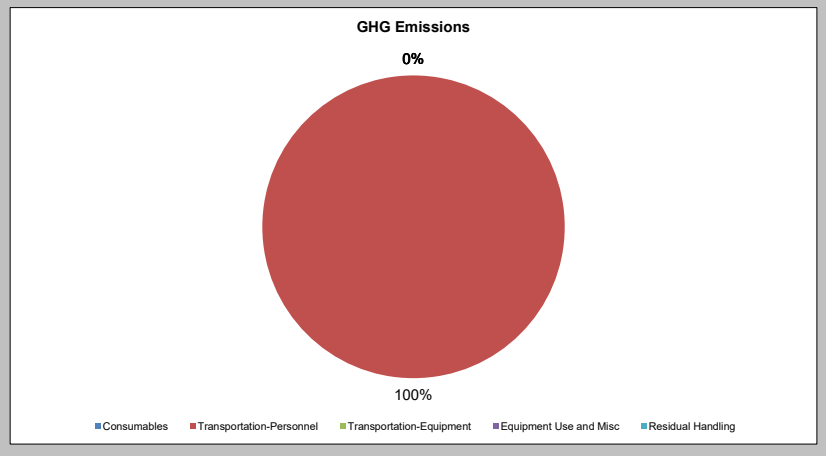
Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	Electricity Usage	Percent Total	Onsite NOx Emissions	Percent Total	Onsite SOx Emissions	Percent Total	Onsite PM10 Emissions	Percent Total	Total NOx Emissions	Percent Total	Total SOx Emissions	Percent Total	Total PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	MWH	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%		%		%
Consumables	0.00	-	0.0E+00	-	NA	NA	NA	NA	NA	-	NA	-	NA	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	NA	NA	NA	NA
Transportation-Personnel	0.00	100.0	2.7E-02	100.0	NA	NA	NA	NA	NA	-	NA	-	NA	-	2.2E-07	100.0	3.1E-06	100.0	3.2E-08	100.0	7.2E-09	16.7	9.3E-07	2.1
Transportation-Equipment	0.00	-	0.0E+00	-	NA	NA	NA	NA	NA	-	NA	-	NA	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Equipment Use and Misc	0.00	-	0.0E+00	-	0.0E+00	-	0.0E+00	0.0	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	3.6E-08	83.3	4.4E-05	97.9
Residual Handling	0.00	-	0.0E+00	-	NA	NA	NA	NA	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Total	0.00	100.0	2.73E-02	100.0	0.00E+00	100.0	0.00E+00	0.0	0.00E+00	0.0	0.00E+00	0.0	0.00E+00	0.0	2.16E-07	100.0	3.06E-06	100.0	3.24E-08	100.0	4.32E-08	100.0	4.49E-05	100.0

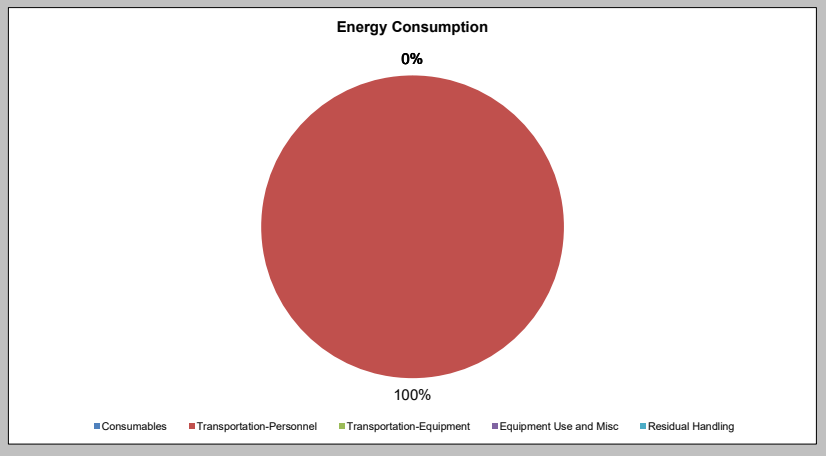
Additional Sustainability Metrics

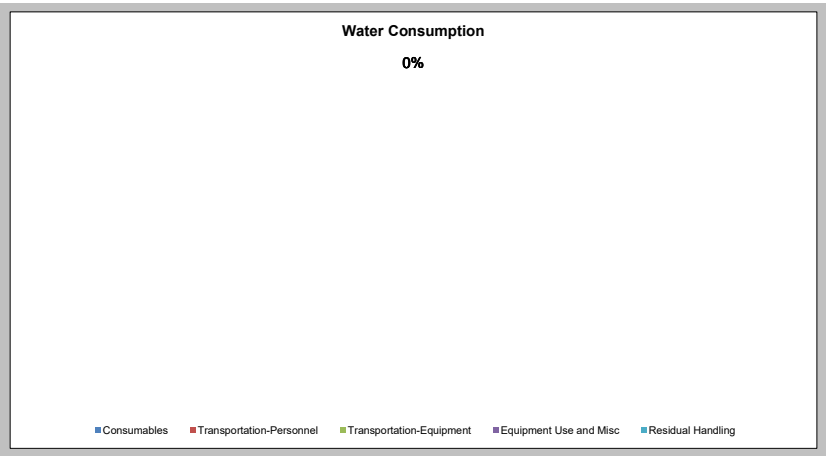
Non-Hazardous Waste Landfill Space (tons)	0.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd^3)	0.0
Cost of Phase ($)	0.0
Lost Hours - Injury	0.0

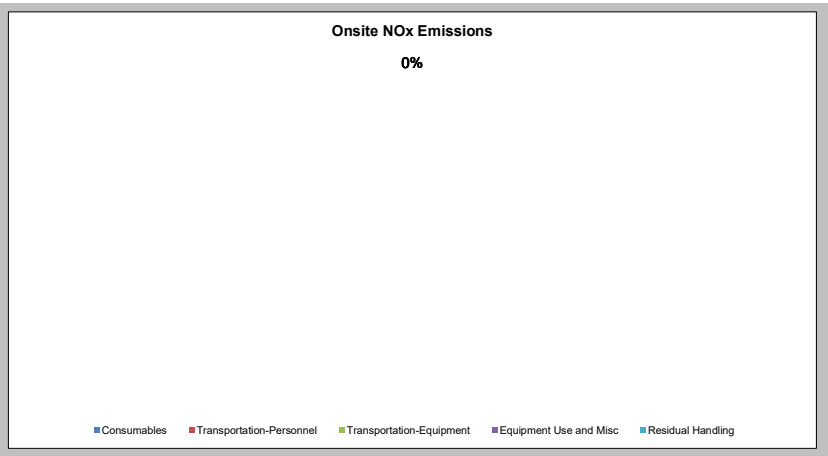
Footprint Reduction

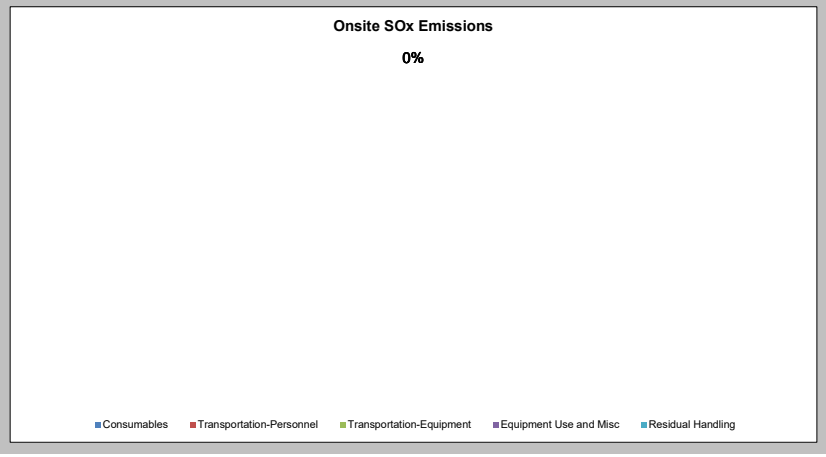
Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Percent electricity from renewable sources (%)	0.0%
Landfill gas reduction (metric ton CO_2 e)	0.00E+00
GHG emissions (metric ton CO2 e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

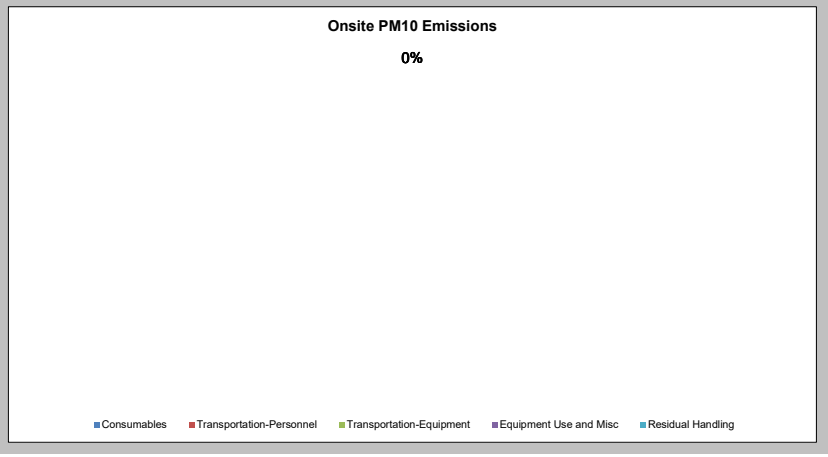


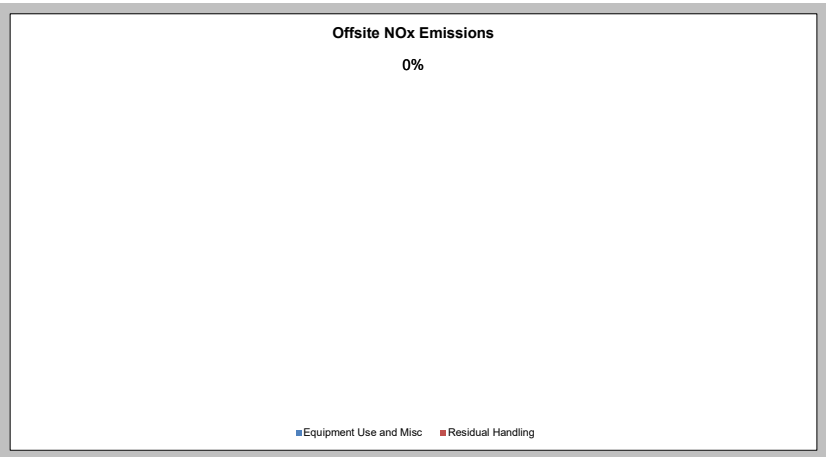


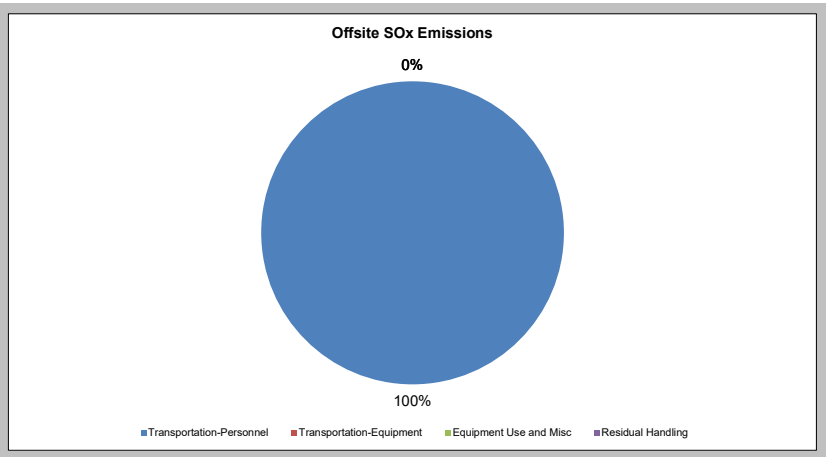

Water Consumption
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

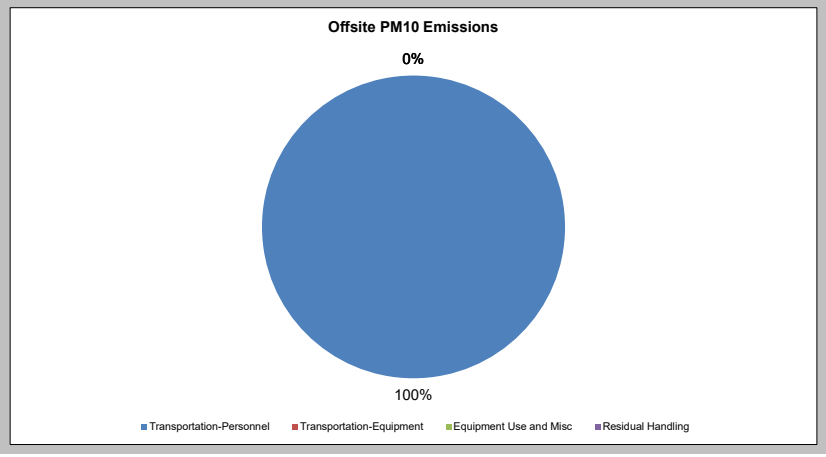

Onsite NOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

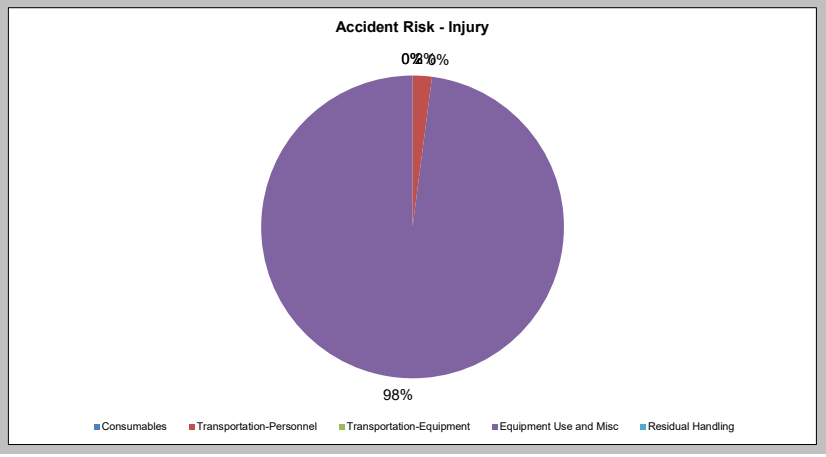

Onsite SOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

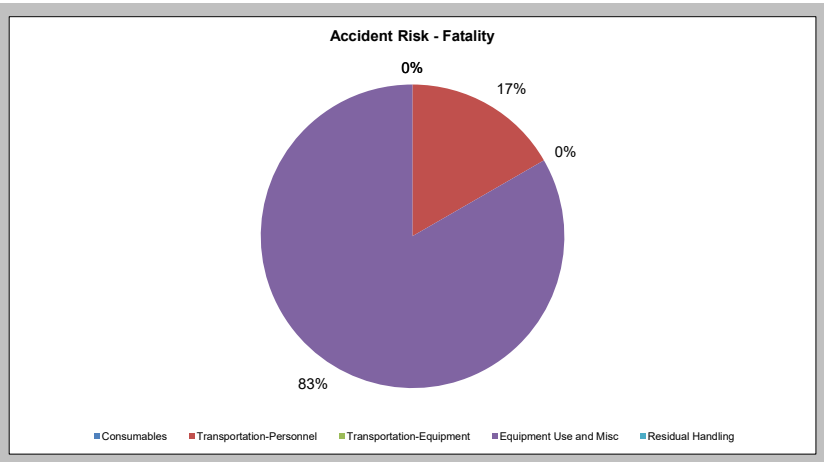

Onsite PM10 Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite NOx Emissions
0%
Equipment Use and Misc
Residual Handling


Offsite SOx Emissions
0%
100%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite PM10 Emissions
0%
100%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Accident Risk - Injury
0%
2%
98%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Accident Risk - Fatality
0%
17%
0%
83%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

COMPONENT 2

SSDS & SVE SYSTEM MONITORING, SAMPLING, AND MAINTENANCE

Sustainable Remediation Summary - SSDS& SVE System O&M

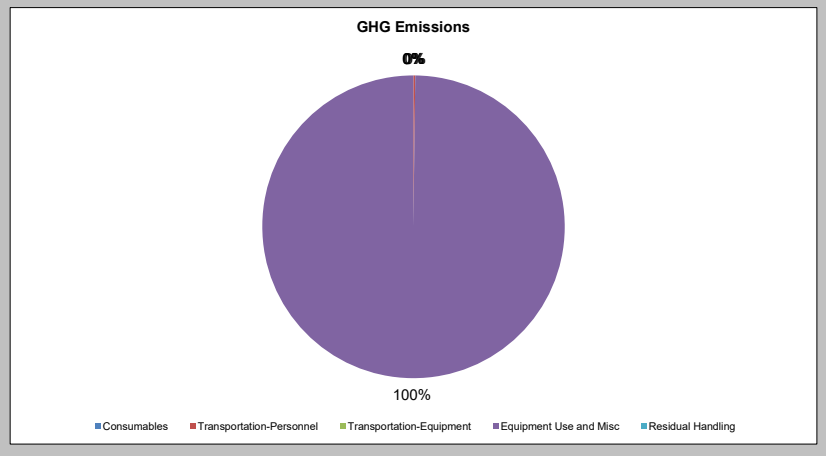
Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	Electricity Usage	Percent Total	Onsite NOx Emissions	Percent Total	Onsite SOx Emissions	Percent Total	Onsite PM10 Emissions	Percent Total	Total NOx Emissions	Percent Total	Total SOx Emissions	Percent Total	Total PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	MWH	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%		%		%
Consumables	0.00	-	0.0E+00	-	NA	NA	NA	NA	NA	-	NA	-	NA	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	NA	NA	NA	NA
Transportation-Personnel	0.12	0.2	1.5E+00	0.1	NA	NA	NA	NA	NA	-	NA	-	NA	-	3.1E-05	0.0	3.8E-05	0.0	6.1E-06	0.0	1.6E-06	79.2	1.4E-04	20.6
Transportation-Equipment	0.00	-	0.0E+00	-	NA	NA	NA	NA	NA	-	NA	-	NA	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Equipment Use and Misc	67.66	99.8	1.5E+03	99.9	9.8E+04	100.0	1.9E+02	100.0	0.0E+00	-	0.0E+00	-	0.0E+00	-	9.0E-02	100.0	1.0E-01	100.0	4.7E-02	100.0	4.3E-07	20.8	5.3E-04	79.4
Residual Handling	0.00	-	0.0E+00	-	NA	NA	NA	NA	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Total	67.78	100.0	1.50E+03	100.0	9.79E+04	100.0	1.92E+02	100.0	0.00E+00	0.0	0.00E+00	0.0	0.00E+00	0.0	9.02E-02	100.0	1.02E-01	100.0	4.68E-02	100.0	2.08E-06	100.0	6.65E-04	100.0

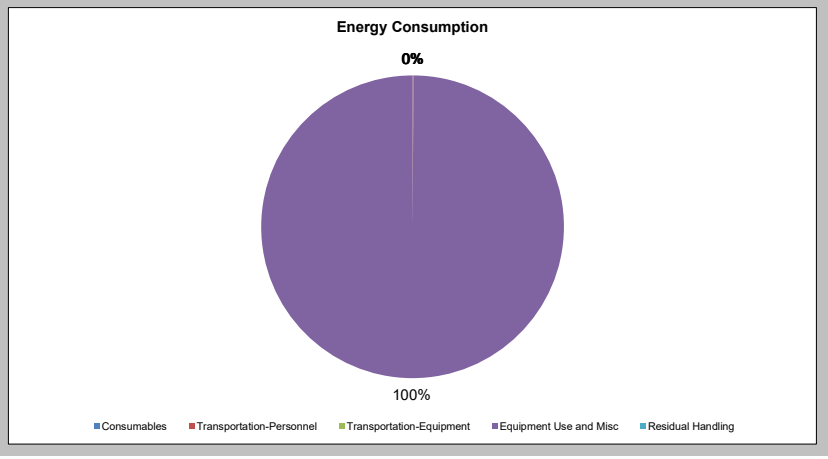
Additional Sustainability Metrics

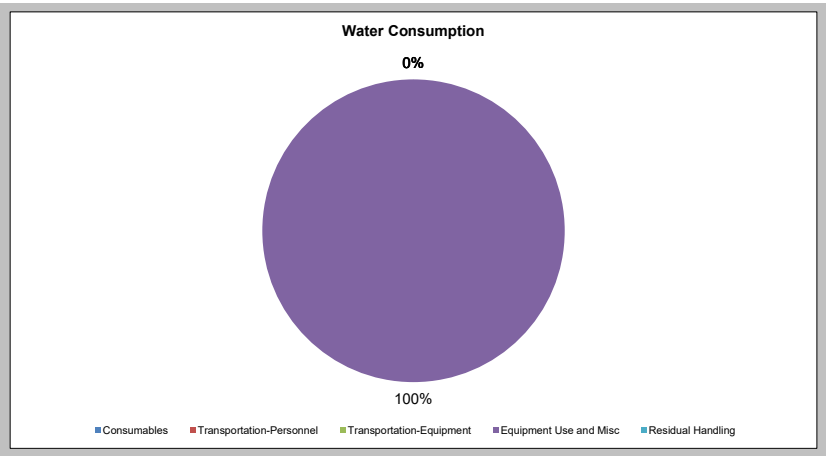
Non-Hazardous Waste Landfill Space (tons)	0.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd^3)	0.0
Cost of Phase ($)	0.0
Lost Hours - Injury	0.0

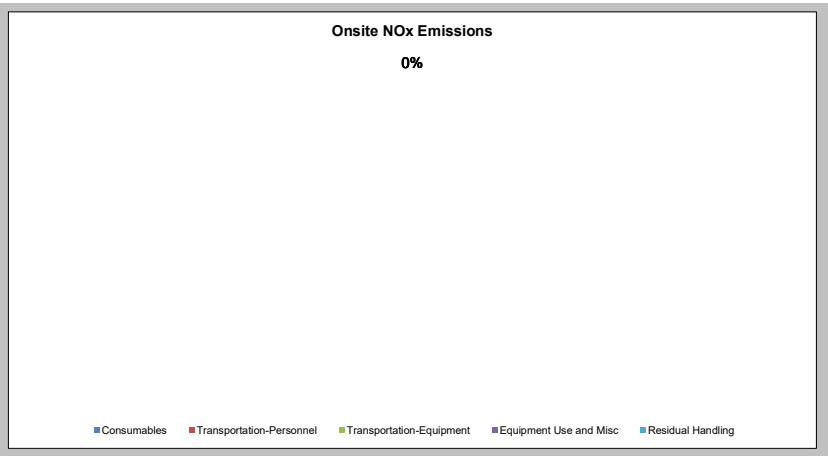
Footprint Reduction

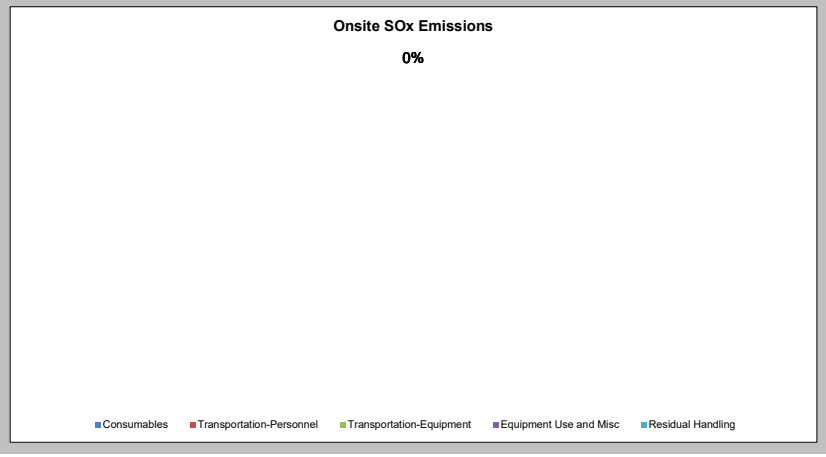
Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Percent electricity from renewable sources (%)	24.2%
Landfill gas reduction (metric ton CO_2 e)	0.00E+00
GHG emissions (metric ton CO2 e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

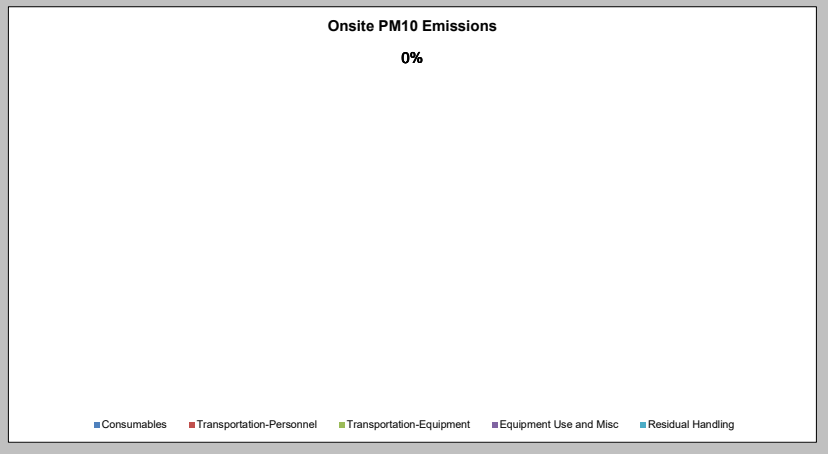


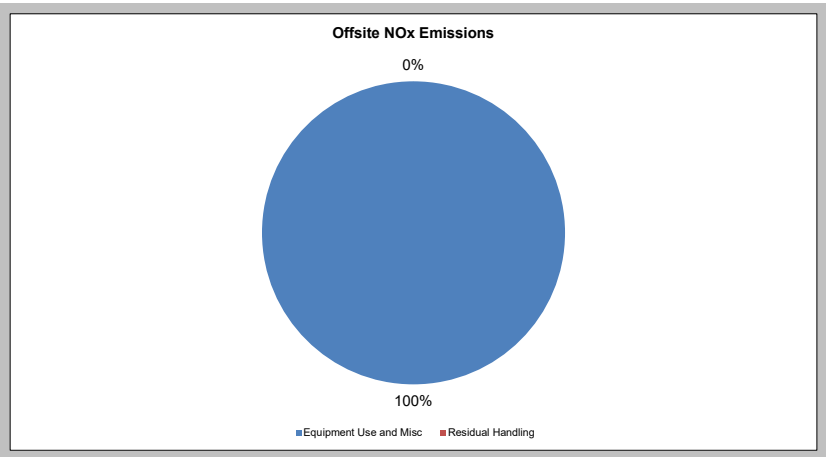


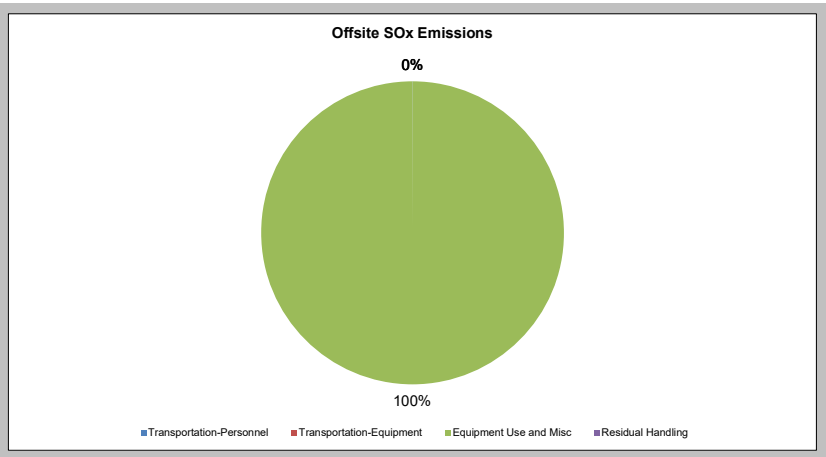

Water Consumption
0%
100%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

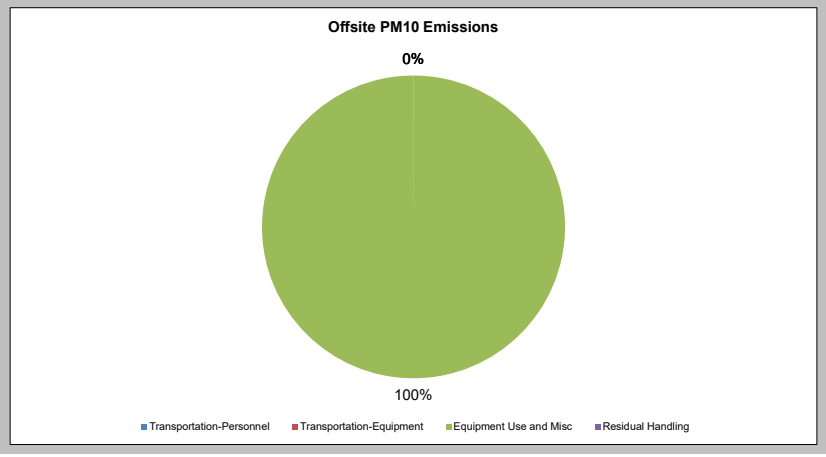

Onsite NOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

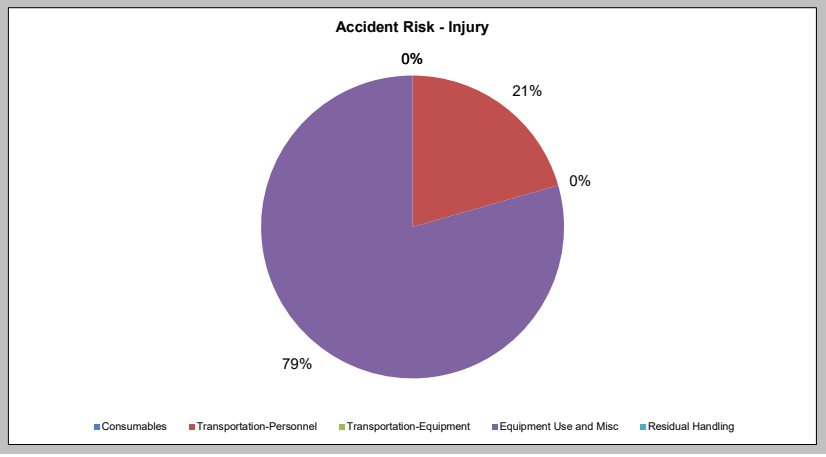

Onsite SOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

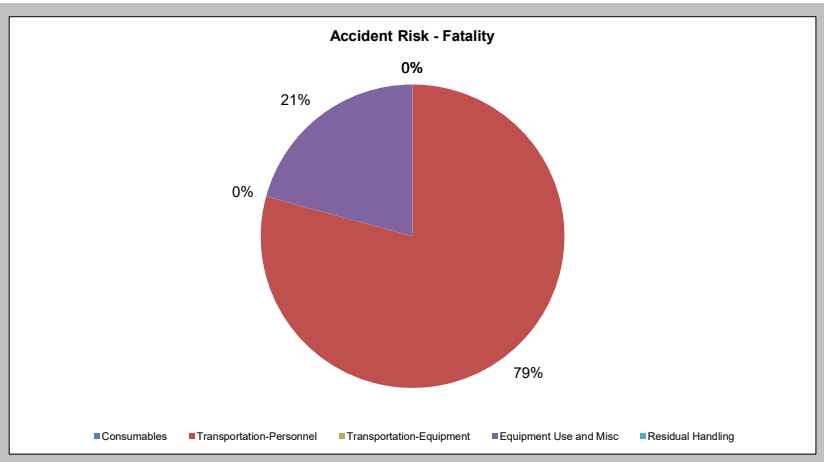

Onsite PM10 Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite NOx Emissions
0%
100%
Equipment Use and Misc
Residual Handling


Offsite SOx Emissions
0%
100%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite PM10 Emissions
0%
100%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Accident Risk - Injury
0%
21%
0%
79%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Accident Risk - Fatality
0%
21%
0%
79%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

COMPONENT 3

QUARTERLY GROUNDWATER SAMPLING

An Equal Opportunity Employer M/F/V/H

Sustainable Remediation Summary - Groundwater Sampling

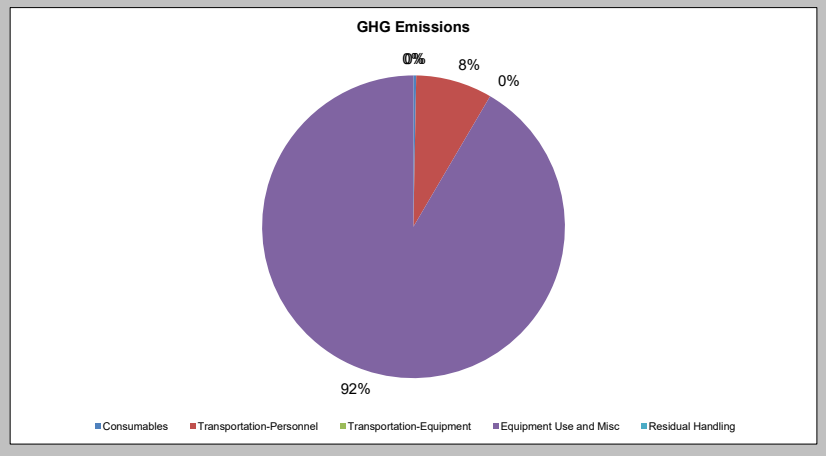
Activities	GHG Emissions	Percent Total	Total Energy Used	Percent Total	Water Consumption	Percent Total	Electricity Usage	Percent Total	Onsite NOx Emissions	Percent Total	Onsite SOx Emissions	Percent Total	Onsite PM10 Emissions	Percent Total	Total NOx Emissions	Percent Total	Total SOx Emissions	Percent Total	Total PM10 Emissions	Percent Total	Accident Risk Fatality	Percent Total	Accident Risk Injury	Percent Total
	metric ton	%	MMBTU	%	gallons	%	MWH	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%	metric ton	%				
Consumables	0.03	0.3	1.2E+00	0.8	NA	NA	NA	NA	NA	-	NA	-	NA	-	5.8E-05	0.1	7.7E-05	0.2	9.7E-06	0.3	NA	NA	NA	NA
Transportation-Personnel	0.80	8.2	1.0E+01	7.2	NA	NA	NA	NA	NA	-	NA	-	NA	-	2.5E-04	0.6	1.0E-05	0.0	5.0E-05	1.4	1.4E-05	97.9	1.1E-03	75.7
Transportation-Equipment	0.00	-	0.0E+00	-	NA	NA	NA	NA	NA	-	NA	-	NA	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Equipment Use and Misc	9.00	91.5	1.3E+02	92.0	1.6E+02	100.0	8.9E-05	100.0	0.0E+00	-	0.0E+00	-	0.0E+00	-	4.3E-02	99.3	3.2E-02	99.7	3.6E-03	98.4	2.9E-07	2.1	3.5E-04	24.3
Residual Handling	0.00	-	0.0E+00	-	NA	NA	NA	NA	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-	0.0E+00	-
Total	9.83	100.0	1.40E+02	100.0	1.60E+02	100.0	8.87E-05	100.0	0.00E+00	0.0	0.00E+00	0.0	0.00E+00	0.0	4.35E-02	100.0	3.25E-02	100.0	3.66E-03	100.0	1.39E-05	100.0	1.45E-03	100.0

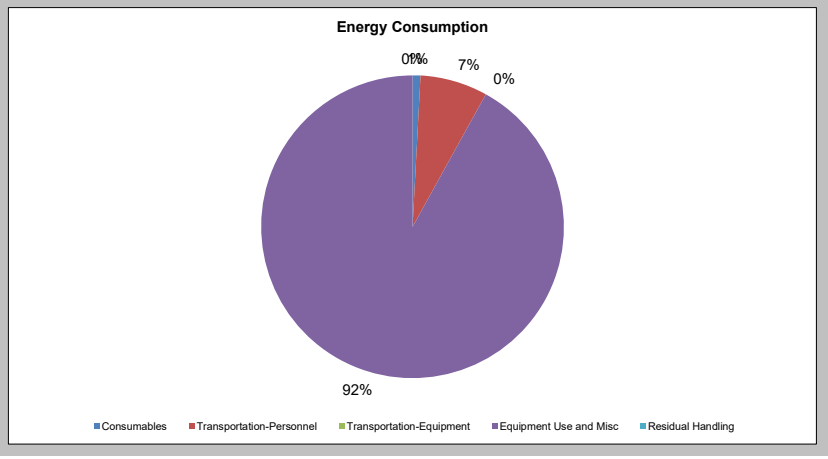
Additional Sustainability Metrics

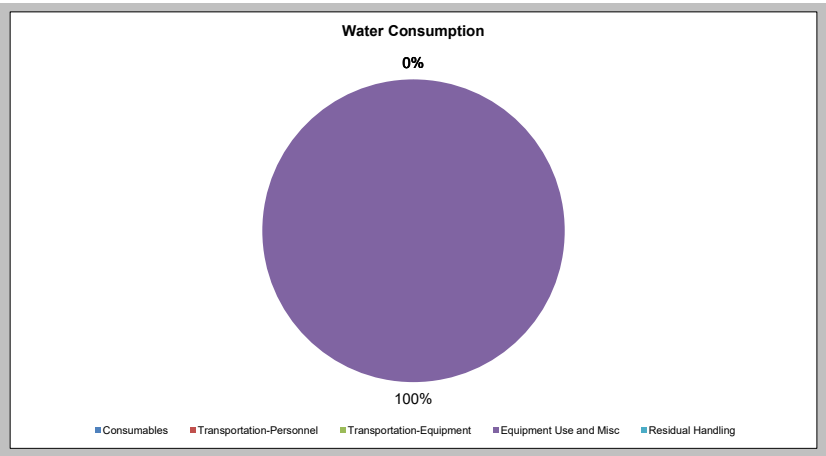
Non-Hazardous Waste Landfill Space (tons)	0.0
Hazardous Waste Landfill Space (tons)	0.0
Topsoil Consumption (yd^3)	0.0
Cost of Phase ($)	0.0
Lost Hours - Injury	0.0

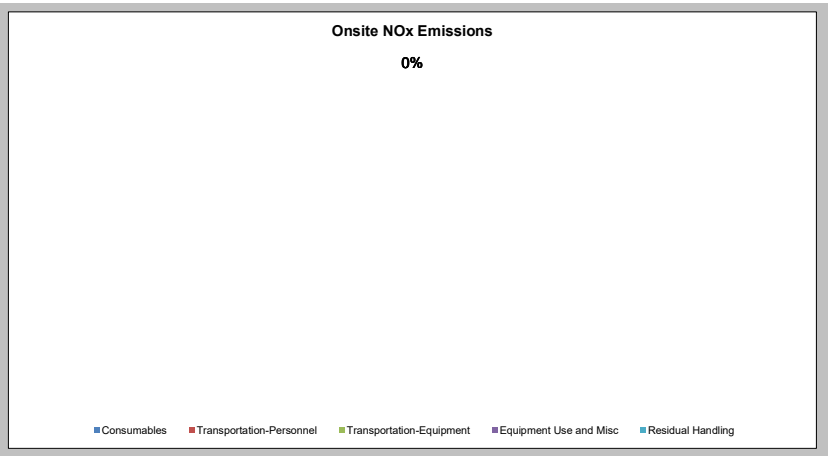
Footprint Reduction

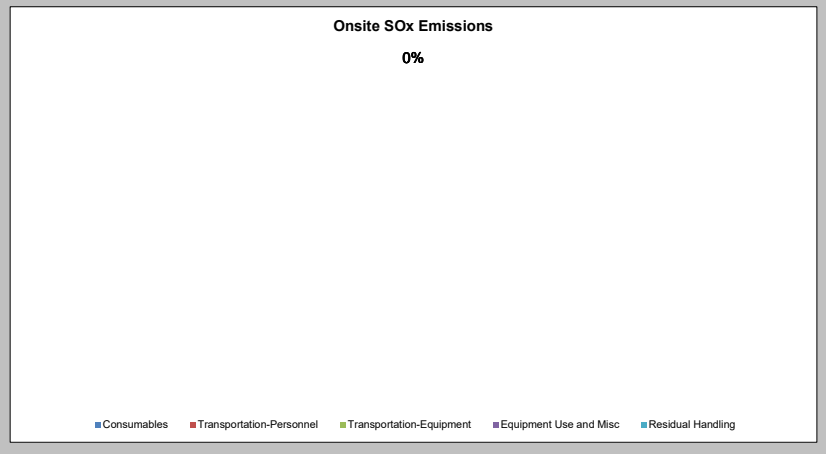
Total electricity replacement (MWh)	0.00E+00
Total electricity replacement (mmBtu)	0.00E+00
Percent electricity from renewable sources (%)	24.2%
Landfill gas reduction (metric ton CO_2 e)	0.00E+00
GHG emissions (metric ton CO2 e)	0.00E+00
NOx emissions (metric ton)	0.00E+00
SOx emissions (metric ton)	0.00E+00
PM10 emissions (metric ton)	0.00E+00

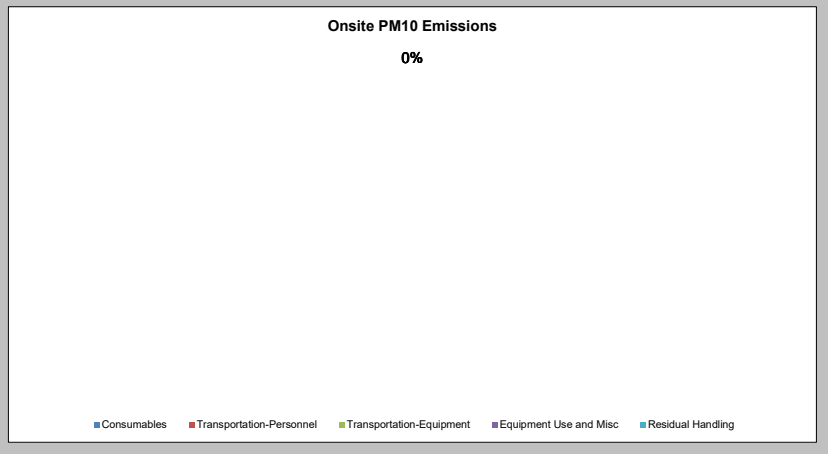


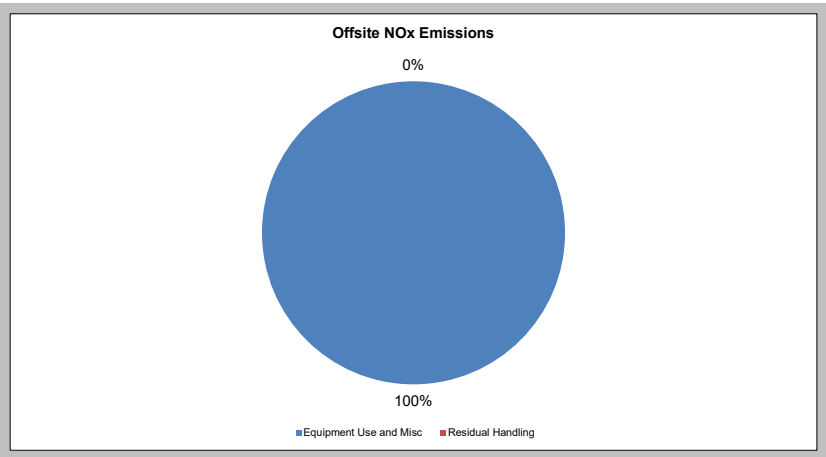


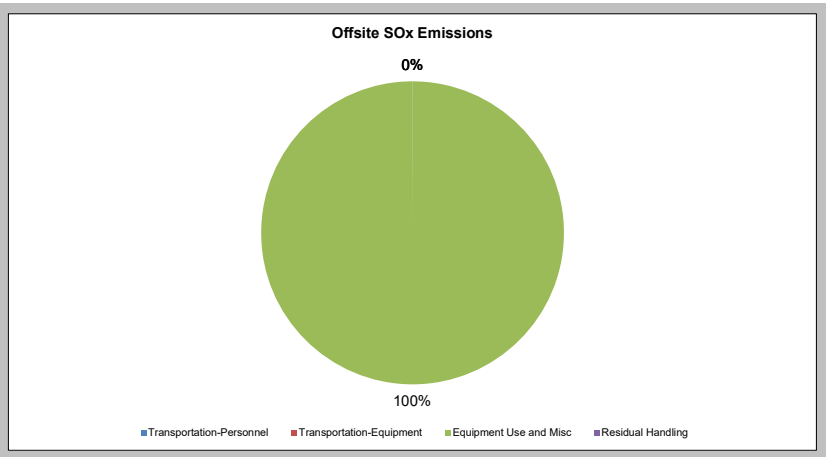

Water Consumption
0%
100%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

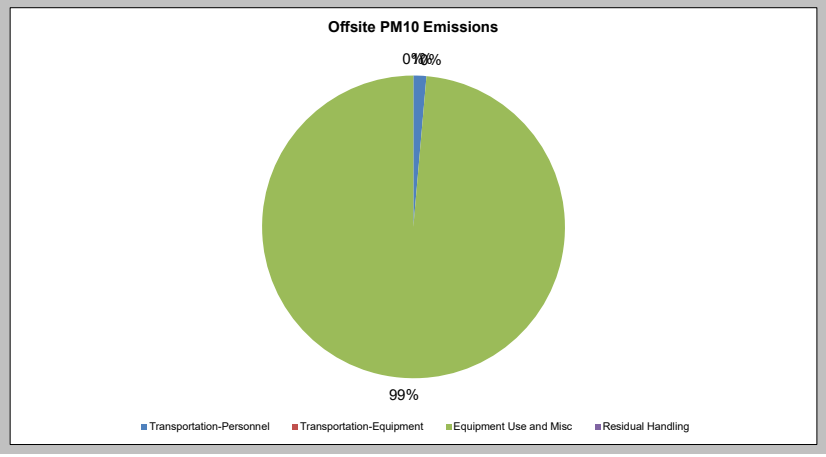

Onsite NOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

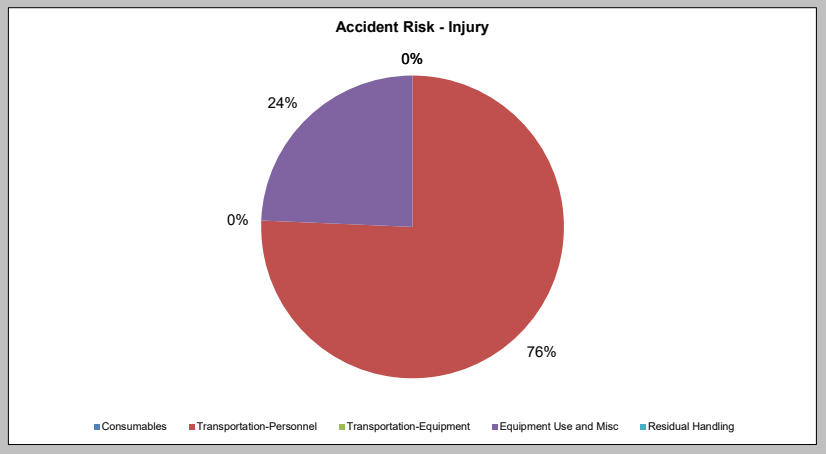

Onsite SOx Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

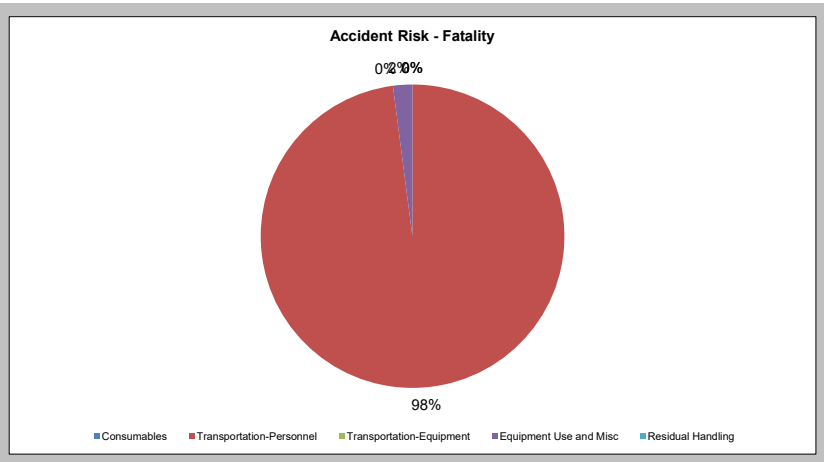

Onsite PM10 Emissions
0%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite NOx Emissions
0%
100%
Equipment Use and Misc
Residual Handling


Offsite SOx Emissions
0%
100%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Offsite PM10 Emissions
99%
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling


Accident Risk - Injury
0%
24%
0%
76%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

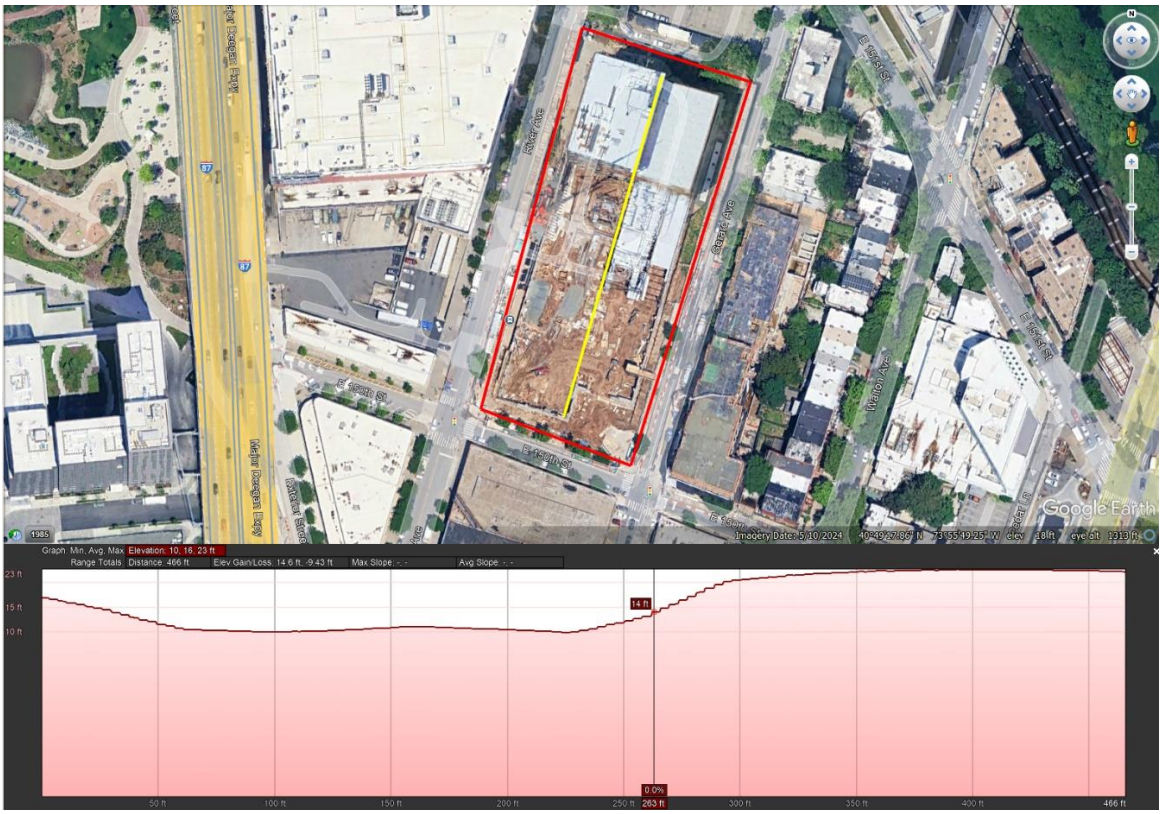

Accident Risk - Fatality
0%
2%
0%
98%
Consumables
Transportation-Personnel
Transportation-Equipment
Equipment Use and Misc
Residual Handling

Attachment 2 – Climate Screening Checklist

Climate Screening Checklist -- Example

Background

- Project Manager: Reinbill Maniquez
- Site Name: 101 East 150th Street
- Site Number: C203154
- Site Location: 101 East 150th Street Bronx, New York 10451



- Site Elevation (average above sea level): Approximately 16 feet above sea level (from google earth).

- ClimAID region: Region 4—New York City and Long Island

- Remedial Stage/Site Classification: Site Classification A

- Contamination -- Media Impacted/Contaminants of Concern:
    - Soil – VOCs (1,2,4-trimethylbenzene, Tetrachloroethene [PCE], and Trichloroethene [TCE]); SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo (a, h) anthracene and indeno(1,2,3-cd) pyrene); and Metals (lead and mercury)
    - Groundwater – VOCs (1,2,4,5-tetramethylbenzene, 1,2,4-trimethylbenzne, 1,3,5, trimethylbenzene, acrylonitrile, ethylbenzene, isopropylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, o-xylene, p/m-xylene, p-isopropyltoluene, sec-butylbenzene, 1,1,1- TCA, 1,1-DCA, cis-1,2-DCE, and TCE); SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, indeno(1,2,3-cd) pyrene), and phenol); Metals (iron, magnesium, manganese, and sodium); Pesticides (Dieldrin), Per- and Polyfluoroalkyl substances (PFAS) (PFBS, PFOA, and PFOS).
    - Soil Vapor – VOCs (PCE, TCE, 1,1,1-TCA, cis-1,1-DCE, carbon tetrachloride, and cis 1,2-DCE)

- Proposed/Current Remedy: The includes site management activities related to Site-wide inspections, SSDS and SVE System monitoring and maintenance, and quarterly groundwater sampling as outlined in the Site Management Plan (SMP).

- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years?
  The remedy includes engineering controls with varying timeframes. The Site CAP is intended to be in place and maintained for the life cycle of the building. The SSDS, SVE System, and quarterly groundwater monitoring are anticipated to be in place less than 10 years as the remedy naturally attenuates from the implemented remedy.

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfolocator: DECinfo Locator (ny.gov))?

☒Yes ☐ No

If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

☐Yes ☒ No

Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

☐**Yes** ☒ **No**

Climate Screening Table*

Potential Climate Hazards	**Relevant to the Site Location (Y/N/NA)** [1]	**Projected Change (**Put the reference document/model used here) [3]	**Potential to Impact Remedy (Y/N)**	**Is remedy/site already resilient? (Y/N)** [4]
Precipitation	Potentially	Based upon FEMA's Resiliency Analysis Planning Tool the annual rain fall is projected to increase between 6.97 and 11.20 inches by the end of the century	N	N/A
Temperature (Extreme Heat or Cold Weather Impacts) [2]	Y	Based upon FEMA's Resiliency Analysis Planning Tool, by the end of the century there will be an estimated increase of 525.15 cooling degree days.	N	N/A
Sea Level Rise	Y	Y - Based upon the NOAA's Sea Level Rise Viewer the site is not impacted at 10 feet of SLR.	N	N/A

Flooding[5]	Y	Based upon FEMA's Resiliency Analysis Planning Tool, a the site does not fall within the 0.2% or 1% annual chance flood hazard areas.	N	N/A
Storm Surge	Y	Y – NOAA's Storm Surge Risk Maps tool indicates that the site could be impacted by less than 3 ft of water during category 3 hurricanes and over 9 ft of water for category 4 and higher hurricanes	Y	Y The remedy is already resilient as the SSDS and SVE system are the only portions of the remedy that could be impacted from storm surge and the system will be equipped with a pipe cleanout port to remove excess water if it cannot drain naturally.
Wildfire	N	N/A	N/A	N/A
Drought	N	N/A	N/A	N/A
Storm Severity (could include high winds, lightening, etc.)	Y	N - Based upon FEMA's Resiliency Analysis Planning Tool, there is no increase in storm severity outlook.	Y	Y The remedy is already resilient as the SSDS is the only portion of the remedy that could be impacted from severe weather and the system will be equipped with a telemetry system to remotely notify loss of power.

Landslides	N	N/A	N/A	N/A
Other Hazards:	Seismic Activity – N/A	N/A	N/A	N/A

*Links to potential data sources can be found on the following page

[1] If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

[2] Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 30 degrees F (NYSERDA ClimAID report), Note: this is important for sites with active remedial systems/sites where the remedy relies on the electrical grid

[3] List the projected change in specific terms or units e.g. inches of rain fall, feet of sea level rise, etc.

[4] If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

[5] For system sites- components (e.g. electrical wiring and panels) should be evaluated to determine if they would need to be raised to avoid flooding.

Required Next Steps (If no further action, provide justification):

The vulnerability that was assessed were primarily related to the SSDS and SVE system as other portions of the remedy are not vulnerable to wet or flooding conditions and not reliant on electricity to function. The SSDS and SVE system will be the only component requiring continual operation for an ongoing duration and remaining in place at the Site. The SSDS and SVE system is equipped with a telemetry system to notify times of lost operation and a pipe cleanout port to remove any excess water that cannot drain naturally that may occur from climate related impacts. No further actions are anticipated at this time.

Site Assessment Worksheet

LEED v4 SS Credit Site Assessment

Include the results of the site inventory on this worksheet. For each item listed below, list the results of the inventory, if the information collected influences the project design, and how.

Topography

Contours

Intervals will depend on the scale and topography of the site, but should be small enough to influence site design considerations.

Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The existing site was graded such that approximately two thirds of the site area is between 8-9' below the sidewalk grade. The below grade area of the site was at the parking lot on the north side of the site. It was surrounded with a planted berm at the perimeter. The paved area is being excavated and regraded to align with the sidewalk grade. The planted buffer on the north will remain along with the designated protected trees along the perimeter. Vegetative planters and trees will be planted on the regraded site to provide pedestrian friendly sidewalks.

Locations of unique or significant topographic features

(such as rock outcroppings, steep topography, overland flow direction, etc)

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The site does not have significant topographic features to document or incorporate into the design of the new site.

Areas of potential slope stability risk

Area of potential slope stability risk (sq ft, acres, sq m, or hectares)	N/A
Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

There are no areas of potential slope stability risk on the site. The site design was driven by the water table to determine the lowest point for grading. The primary goal of the site design was regrading to meet the sidewalk level and create a pedestrian friendly streetscape.

Hydrology

Flood hazard areas

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The project site is not located in a flood zone. The Harlem River is 800' from the site. Mill Pond Park, which is located adjacent to the river, falls in the flood zone and serves as a buffer between the river and the built area of the site. Based on the NYC Flood Mapping Tool, the site has a 0.2% annual chance of a flood hazard, and the project is not subject to federal or city flood regulations.

However, the NYC Flood Hazard Mapper indicates that the site will potentially be flooded as soon as the 2050s and definitely by the 2080s due to Sea Level Rise (SLR). Adding 28" of SLR anticipated over the next 60 years per the NYC Climate Resiliency Design Guidelines ("CRDG") to +13.5', the 500-year flood level in the 2080s increases to +15.8', which is higher than the Lowest Adjacent Grade of +15.3'. Therefore, the cellar is planned at +7.0' and the first floor is planned at +21.5'. Removable flood shields were not deemed necessary, but waterproofing was advised for the below-grade walls and slab to an elevation of +15.8' for a useful life extending to at least the 2080s. The ground plane and landscape were also designed to minimize sunken areas where water will collect and be unable to drain out to the adjacent sidewalk.

Existing surface water resources and associated buffers

Brief description of existing surface water resources (such as lakes, streams, shorelines, estuaries, delineated wetlands) and associated buffers

The project site is located 800' from the Harlem River but the site itself is not in a flood zone. The Mill Pond Park, which is located on the river, serves as buffer from the rising water levels in the case of flooding.

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

Located 800' from the project site, the Harlem River is the closest existing surface water resource. However, the proximity of the site to the river does endanger the site to flooding based on the current NYC Flood Mapping tool that reflects the latest FEMA flood maps. The Mill Pond Park serves as a buffer in the event of a flood. Neither the river nor the park influenced the overall design of the site.

Rainwater infrastructure and collection/reuse opportunities

Brief description of rainwater infrastructure and collection/reuse opportunities

The building design incorporates green roofs to absorb rainwater. The site includes a detention tank for rainwater collection and a stormwater swale at the north end of site.

Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The DEP requires Tier 1 stormwater management practices be incorporated into the site design. The site design includes 12,775 sf of planted area, 9,204 sf of green roof, and 4,520 sf of bioswale. Based on the rainfall depth for CSS of 1.85 inches, the required volume of rainwater to be managed is 12,127 cubic feet, and the detention tank can collect up to 12,178 cubic feet of water. The detention services will restrict storm flow of 11.06 cfs to 0.23 cfs in a storm event.

Estimated TR-55 initial water storage

Estimated TR-55 initial water storage capacity of the site (or local equivalent for projects outside the United States) (cu ft or cu m)	12,178 cubic feet
Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The existing site is totally impervious. The new site design required stormwater management measures for to meet DEP requirements. The water detention system designed for 12,178 cubic feet meets the calculated rainwater collection volume of 12,127 cubic feet.

Climate

Solar exposure and seasonal sun angles

Solar exposure and seasonal sun angles (North, South, East, West)	Solar Exposure on the East, West, and South
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The building was designed with central spine on the north/south axis to maximize the potential for daylight exposure in the classrooms and spaces situated along the central spine. The southwest façade is exposed to sun during the middle of the day throughout the year. All three occupied roofs have direct sunlight in the middle of the day throughout the year. The occupied northeast and southeast roof tops are well shaded in the afternoon spring and summer months, and the southwest roof is well shaded in the early evening during spring months.

Heat island effect potential

(existing conditions that could result in site heat gain)

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

Considerations for heat island were incorporated into the project design. The following design measures to minimize the heat island effect of the building:

1) Green Roof - Approximately 9,204 SF of green roof area is designed to include shrubs and trees on

the terraces and sedum cover on the upper roof level.
2) White Roof - The roof level of the building includes 2,094 SF of white membrane roofing.
3) High SRI Pavers - The pavers for the occupiable terraces and the building plaza are specified as high SRI to reflect sunlight rather than absorb the heat from the sunlight.

Prevailing Winds

Prevailing wind direction (Trade winds, Westerlies, or Polar easterlies)	Varies
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The wind study was conducted to determine seasonal variations in direction and velocities. The site is proximate to southern winds from the Harlem River and the Hudson and East Rivers further south as well as easterly winds from Long Island. The wind study provided insight into the level of comfort that will be afforded to occupants of the terraces. Based on the study, the terraces should be comfortable for occupants depending upon seasonal temperature variations.

Average Monthly Precipitation

Average monthly precipitation (in or mm)	1.85 inches
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The average precipitation of 1.85 inches was used to calculate the required capacity of the stormwater detention system. The average rainfall is multiplied by the runoff coefficient of .83 and the area of 94,589 sf to determine the required capacity of 12,127 cubic feet for the detention system.

Seasonal Temperature Ranges

Seasonal temperature ranges (degrees Fahrenheit or degrees Celsius)	Average winter temperature is between 28 °F and 41 °F. Summer temperatures range between 66 °F and 82 °F. Extreme summer temperatures may reach up to 100 °F.
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

Local temperatures from winter to summer were considered in the design of the envelope to accommodate the fluctuation between cold winter temperatures and the extreme hot summer temperatures. In addition, the green roofs on the terraces and the white roofing membrane have been included to offset the urban heat island effect in the summer months.

Vegetation

Primary vegetation types

List of primary vegetation types

The primary vegetation for site consists of trees, shrubs, and grasses. Identified invasive species will be removed and replaced with native species.

Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

An arborist survey was completed to evaluate the existing trees, their condition, and any invasive species to be removed. Based on the survey, one existing invasive tree will be removed. The landscape design of the new site will significantly increase the green space and tree cover with new plantings of native species only.

The vegetation for the site will include the following native species: Pennsylvania Sedge, Dwarf Summersweet, Red Osier Dogwood, Shamrock Inkberry, Inkberry, Switchgrass, and Little Bluestem.

Native trees to be planted include the following native species: Serviceberry, Autumn Blaze Maple, Sugar Maple, River Birch, Eastern Redbud, Dogwood, and Greenspire Linden. All street trees require the approval of the NYC Parks Department prior to planting.

Greenfield areas

Greenfield areas (sq ft or sq m)	9,158 sf
Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The planted area on the north side of the site will remain and be sloped and landscaped for use as a bioswale for stormwater runoff. Based on the arborist survey, the existing trees deemed to be healthy and significant will be protected to remain as well.

Significant Trees and Vegetation

Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The arborist plan includes an inventory of all existing trees and their condition. Existing street trees and those on north parcel will be preserved based on their size and age. The tree inventory calls for the protection of the London Plane Trees, the Japanese Zelkovas, and a significant Honeylocust. The existing site vegetation other than trees is minimal and will be subject to replanting with native species to increase the green cover of the site.

Threatened or Endangered Species and Unique Habitat/Corridors

List of threatened or endangered species

There are no threatened or endangered species on the site or in the corridor of the site.

Unique habitat/corridors shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

There are no threatened or endangered species on the site or in the corridor of the site. Therefore, no special considerations were incorporated into the design.

Invasive Plants

Locations of invasive plants shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The Tree of Heaven (noted as Tree #8) was determined to be invasive according to the Tree Study. This tree, along with any other invasive tree and planting species, must be removed and replaced with native species. The landscape designer has noted only native species of trees and plantings to be included in the landscaping plan for the new building.

Soils

NRCS Soils Delineation

Brief description of NRCS soils delineation (or local equivalent for projects outside the U.S.)

Soils on the site are consistent with Site Class D.	
Shown on site plan? (Yes or No)	Yes
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The soil test via borings confirmed the soil stratification of bedrock, decomposed rock, lower sand, silt/clay, upper sand, fill, and surface cover. The soils are all urban soils per the NRCS. Compressible soils are below the water table. The deeper soils influenced the design, resulting in the requirement for deep foundations of approximately 100' deep to hit bedrock for the foundation.

Chlorinated solvents were observed in some of the existing soils. As a result, the site is undergoing excavation to remove contaminated soils. The site will be regraded with existing soils and imported soil as needed to bring levels of landscape areas up to rough or finish grades, or to fill planters and tree wells. Imported soil shall be friable, fertile, & within the following ranges:

< 30% Clay
< 30% Silt
> 50% Sand

Prime Farmland Soils

Brief description of prime farmland soils (or local equivalent for projects outside of the U.S.)

Prime farmland soils are not located on the existing site.

Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

Prime farmland soils are not located on the existing site, as the site is a previously developed urban site not farmland. Therefore, considerations for farmland soils are not applicable to the project.

Healthy Soils and Previously Developed or Disturbed Soils

Brief description of healthy soils and previously developed or disturbed soils

All soils on site are urban soils that have been previously disturbed.

Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

All soil at top 2' meets the residential standard or is capped by pavement. Soil and fill that is derived from the property that meets the Soil Cleanup Objectives (SCOs) established in this plan may be reused on-site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms. Topsoils used on site must meet the requirements noted below. Stockpiled Native Topsoil: The approximate quantity of stockpiled native top-soil will not be known until demolition and rough grading have been completed under Civil work. Stripped topsoil shall have been stockpiled on the site under Civil work. Composition is fertile, friable, well-drained soil, of uniform quality, free of stones over 1 in. diameter, sticks, oils, chemicals, plaster, concrete and other deleterious materials.

Imported Topsoil: Import topsoil as soon as an insufficient quantity of native soil is verified. Quantity of topsoil to complete the work shall be calculated by the Contractor. Stockpile on site as directed by Owner. Soil composition to match or exceed in quality the accepted native stockpiled topsoil.

Obtain an agricultural suitability analysis of the proposed topsoils from an accepted, accredited Testing Agency prior to use on site.

Human Use

View Corridors

(such as views looking onto other properties that could be enhanced)

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The terraced massing of the building was designed to negotiate the site's transition from lower scale residential buildings to the south and east to larger commercial buildings to the west. The terraces take advantage of views south to Manhattan, and glazing was maximized adjacent to the terraces for access to views and natural light. The internal staircase provides access to natural daylight where possible.

Existing and Known Planned Adjacent Transportation Infrastructure

(such as roadways, mass transit, bicycle and major pedestrian facilities)

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

A DOT study was completed as part of the Environmental Assessment Statement. The transit study addresses the anticipated methods of transportation students will use to travel to school. The trip generation study assumed the percentage of young students that will arrive by vehicle driven by parents or caregivers. A larger percentage of middle and high school students will use public transit. Based on the available public transit adjacent to the site, the study confirmed that the existing transit options will accommodate the student body anticipated to utilize the transit routes.

The Project is within a Transit Zone and is well served by both MTA subway and bus service. Three MTA New York City Transit (NYCT) subway stations located in proximity to the Project Site are expected to be used by project-generated demand. The 149th Street-Grand Concourse station complex is located below Grand Concourse and East 149th Street. It consists of two interconnected stations served at all times by No. 2 trains operating on the White Plains Road Line and Nos. 4 and 5 trains operating on the Jerome Avenue Line. The 161st Street-Yankee Stadium station complex consists of an underground station below East 161st Street served at all times by No. 4 trains operating on the Jerome Avenue Line and an elevated station above River Avenue that is served by B trains (rush hours only) and D trains (at all times except rush hours in the peak direction) operating on the Concourse Line. The 145th Street station is located below Malcolm X Boulevard/Lenox Avenue in Manhattan and is served at all times by No. 3 trains operating on the Lenox Avenue Line. A total of seven local bus routes – the Bx1, Bx2, Bx6 local, Bx6 Select Bus Service (SBS), Bx13, Bx19, and Bx32 routes – operated by NYCT provide service in proximity to the Project Site.

The study evaluated the anticipated arrival and departure travel patterns and proposed safe pedestrian routes and intersection approaches to ensure that students and caregivers will have safe access to the school. Due to anticipated increases in pedestrian and traffic volumes, physical improvements are proposed at several intersections to minimize congestion and improve safety. The proposed transportation safety improvements include providing crossing guards at key intersections and restriping faded crosswalks. All proposed transportation safety improvements will be reviewed by NYCDOT prior to implementation.

Adjacent Properties

(such as land uses and significant wildlife habitat)

Shown on site plan? (Yes or No)	No
Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The site design includes a setback that preserves the planted buffer at north side of the site. The existing zoning of the site and the adjacent area was previously manufacturing use. The site was awarded a special permit for school use, and the neighborhood is transitioning from industrial and manufacturing use to mixed use and residential. New development is anticipated for several adjacent sites, and the site across from the residential development is being rezoned. The site adjacent to the lower concourse is currently undergoing redevelopment as well.

Construction Materials with Existing Recycle or Reuse Potential

Brief description of construction materials (such as structures, building materials, vegetation, roads, parking lots, pathways, and historical structures/landscapes) with exiting recycle or reuse potential

The existing building has been demolished, and the site is undergoing excavation to remove contaminated soils.

Did this information influence the project design? (Yes or No)	No

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The prior building was a storage facility with a state school that was operated under a special permit. Due to the state of the prior building site and its zoning as manufacturing use, the building was not deemed salvageable for the new school project.

Human Health Effects

Proximity of Vulnerable Populations

Proximity of vulnerable populations (miles or kilometers)	N/A
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The new school will accommodate existing students in the surrounding neighborhood from elementary through high school. The new school facility addresses the local population and supports the growing mixed use residential community. The school location is proximate to a low income area where the addition of a new school will provide increased educational opportunities to the local population. Several existing buildings to the east of the site are residential. Whereas, the existing buildings to the west are commercial, including a mall. Income levels of the existing residents were not considered in the rezoning or environmental studies, as the new school will not displace any existing residents but rather provide a valuable resource to the community.

Adjacent Physical Activity Opportunities

Adjacent physical activity opportunities (miles or kilometers)	Less than .1 mile
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

The site is adjacent to two NYC Parks that the students can access before and after school.
1) Mill Pond Park is 400' west of the school entrance and includes a Tennis Center and a Children's Museum. Mill Pond Park features 16 Deco Turf tennis courts, a picnic and sand play area, a shaded outdoor classroom for kids, an ADA-accessible esplanade suitable for jogging, and views of west Harlem along the Harlem River waterfront.
2) Franz Sigel Park is 500' from the school and honors educator, soldier, journalist, and public official, Franz Sigel. The park includes baseball fields, basketball courts, and playgrounds for children.

Proximity to Major Sources of Air Pollution

Proximity to major sources of air pollution (miles or kilometers)	Study area of 400 feet and 1,000 feet
Did this information influence the project design? (Yes or No)	Yes

Provide a brief explanation of how the information gathered influenced the project design. If applicable, give reasons for not addressing these topics.

There are no lots with active, existing industrial emissions permits located within the 400-feet study area. No large industrial emission sources were identified within the 1,000-feet study area. In addition, no illegal, unpermitted sources of industrial air emissions were identified within the study areas. Accordingly, no further air quality analysis is warranted. Therefore, no significant adverse stationary air quality impacts from industrial sources are expected adjacent to the project site in the future.

The Project will not utilize fossil fuel-powered boiler(s) for heating/hot water, ventilation, and air conditioning (“HVAC”) systems. Rather, the new school has been designed to utilize electricity for its HVAC systems. Therefore, no emissions will result from the building operations. Therefore, no significant adverse stationary air quality impacts from the building HVAC systems are expected in the future.

APPENDIX F – TANK CLOSURE DOCUMENTATION

Action Remediation, Inc.

3010 Burns Avenue, Wantagh, NY 11793 tel: (516) 781-3000 fax (516) 781-3085
www.actionhazmat.com

4/3/2025

New York City Fire Department
Bureau of Fire Prevention
Bulk Fuel Safety Unit-3rd Floor
9 Metrotech Center
Brooklyn, NY 11201

Re: 595 Gerard Ave aka 586 River Ave
Site # 2-609-485
Bronx, NY 10451

To whom it may concern:

This correspondence is in regards to the permanent removal of (1) 10.000 gallon aboveground storage tank (Tank 001) at the above referenced location on 11/20/2023.

This tank was inerted, pumped, cleaned and removed from the site as per New York City rules and regulations. Accompanying fill and vent piping was removed and disposed. A site assessment was performed following removal activities.

Action Remediation, Inc. is in compliance with 2022 New York City fire prevention code Chapter 57 § 5704.2.13. My certificate #86389533; install, test, repair buried tank; expiration date: 9/15/26.

Sincerely,

Kevin O'Connor
PROJECT MANAGER

Ceia Lyberatos
Notary Public, State of New York
Reg. No. 01LY0023481
Qualified in Nassau County
Commission Expires 04/12/2028

Ceia Lyberatos

APPENDIX G – WASTE CHARACTERIZATION REPORT

Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION MANAGEMENT

WASTE CHARACTERIZATION REPORT

101 East 150th Street
(a.k.a, 586 River Avenue)
Bronx, New York
Block 2354, Lot 1

November 2022
File No.41.0162951.10

PREPARED FOR:
586 River Ave., LLC
95 Pine Street, 6th Floor
New York, NY 10005

GZA GeoEnvironmental of New York
104 West 29th Street, 10th Floor | New York, NY 10001
212-594-8140

www.gza.com
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1.0 INTRODUCTION

586 River Ave., LLC, (Owner) retained GZA GeoEnvironmental of New York (GZA) to perform a waste characterization study prior to the planned redevelopment at the 101 East 150th Street (a.k.a., 580-586 River Avenue) Bronx, New York (Site).

The Owner intends to enter into an agreement with the New York State Department of Environmental Conservation (NYSDEC) under the New York State Brownfield Cleanup Program (BCP) as a "volunteer" to investigate and remediate the Site. A Remedial Investigation (RI) has been performed by GZA to evaluate Site conditions and information necessary to develop an Interim Remedial Measure Work Plan (IRMWP) and a Remedial Action Workplan (RAWP). This Waste Characterization Report incorporates some of the results of the RI and was prepared to address the requirements of the BCP IRMWP/RAWP.

1.1 PROJECT OBJECTIVES

Our objective was to collect and analyze soil samples for waste characterization parameters in accordance with the IRMWP/RAWP and to support the excavation, management, and disposal of excavated materials during the planned redevelopment at the Site.

1.2 SCOPE OF SERVICES

GZA's Waste Characterization Scope of Services consisted of the following activities:

- Performed a geophysical survey around (i.e., 10 feet [ft] radius) the boring locations with a ground penetrating radar (GPR);
- Installation of a total of 31 soil borings at each location to a maximum depth of 13 feet below ground surface[1] (ft bgs);
- Description and classification of soil samples;
- Field screening of soil samples using a photoionization detector (PID); and
- Collection and laboratory analysis of discrete and composite soil samples at each waste characterization grid to account for the proposed redevelopment excavation;

This report presents GZA's field observations and results. This report is subject to modification if GZA or any other party develops or obtains additional information in connection with the Site and has been prepared in accordance with the limitations presented in **Appendix A.**

[1] Note that 'ground surface' elevation (EL) varies based on the North American Vertical Datum of 1988 [NAVD88]. For example, the building cellar level is at approximate elevation (EL) +7.79 to +9, while the parking area surface is approximate EL +11 to +13.28.

2.0 PROJECT BACKGROUND

This section provides information on the Site, project background, and the proposed redevelopment.

2.1 SITE DESCRIPTION

The Site is identified 586 River Avenue is located in the Lower Concourse neighborhood of Bronx, New York in an area zoned for light manufacturing (M1-2) and commercial (C2-4 and C4-4) use. The Site is bound to the north by East 151st Street, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The 2.27 acres lot is bounded by a commercial parking lot to the north, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. A topographic map showing the location of the Site is provided on **Figure 1**.

The Site is comprised of a rectangular-shaped parcel identified as Bronx Block 2354, Lot 1 on the New York City (NYC) Department of Finance (DOF) Tax Map. The Site is 98,973 square ft in size and is currently occupied by a two-story commercial building with a basement at the southern portion of the property and a parking lot at the northern portion of the property. A Site Plan is provided on **Figure 2**. Photographs of the Site are included in **Appendix B**.

2.2 PROPOSED DEVELOPMENT

The Owner intends to redevelop the Site into a six-story school building. The Proposed development would not alter the Project Site's existing M1-2 zoning designation. The redevelopment would not create a land use nor a structure that would be incompatible with the existing zoning designations within the surrounding secondary study area. The Requestor intends to redevelop the Site by removing the existing building and constructing a new 304,711 gross square foot, six-story school building with a cellar. The proposed development plan will incorporate engineering controls in the form of a vapor barrier and a sub-slab depressurization system (SSDS).

The Site redevelopment will require excavation that will extend down to approximately 2 ft bgs in the area where the existing building is located, and down to approximately 5 ft bgs at the parking area (north of the existing building) to accommodate the proposed new cellar. In addition, local deep excavations will be performed to account for building elements. For example, the area of proposed grease interceptor pit will be excavated down to 9 feet bgs and the proposed elevator pit will be excavated down to approximately 13 feet bgs. The proposed excavation plan and the redevelopment plan are provided on **Figures 3** and **4**, respectively.

3.0 ENVIRONMENTAL SETTING

This section provides information regarding the anticipated physiographic, hydrogeologic, hydrologic, and soil conditions in the area of the Site.

3.1 REGIONAL PHYSIOGRAPHY

Based on the August 2020 topographic survey, the Site elevation (EL) ranges from 7.8 ft to 27.4 ft based on the North American Vertical Datum of 1988 (NAVD 88). The existing Site building is at the lowest elevation, at approximately EL 7.8 ft. The highest elevation in the parking lot area is at the northern most portion of the Site at EL 13.3 ft. The Site elevation rises steeply to the east (towards Gerard Avenue) and west (towards River Avenue)

of the parking lot area, to a maximum of EL 27.4 ft. The topographic gradient near the Site slopes from northeast to southwest. The nearest water body is the Harlem River, which is located approximately 750 ft west of the Site.

3.2 GEOLOGIC, HYDROGEOLOGIC, AND HYDROLOGIC CONDITIONS

According to the 1992 USGS publication Bedrock and Engineering Geologic Maps of Bronx County and Parts of New York and Queens Counties (Baskerville 1992), Bronx County is underlain by high grade metamorphic bedrock consisting of a sequence of Cambrian and Ordovician gneiss, schistose-gneiss, and marble. The bedrock beneath the Site is expected to be the Inwood Marble, (white calcite-dolomite) interlayered with units of Walloomsac and Manhattan Schists. Based on the Geotechnical Engineering study conducted by GZA and finalized in April 2022, bedrock is anticipated to be at between EL -29.4 and EL -76.4 ft. The bedrock elevations appear to vary significantly and erratically across the Site.

Soils observed in boring logs advanced on Site indicate that subsurface soil at the Site consisted of a surface layer of concrete or asphalt ranging from 0.5 ft to 1.0 ft bgs and a fill layer, which primarily consisted of well-graded sand with varying amounts of gravel, rock, brick, ash, and organic material. The layer of historic fill ranged from approximately 1.5 to 7.0 ft bgs during the Remedial Investigation. Native soil consisting of pre-dominantly well-graded brown sand is present below the historic fill. A dry layer of sand, rock, and boulders was encountered at a few boring locations below the observed water table.

GZA performed a groundwater well gauging event at all on-Site wells on September 15, 2022. During this groundwater gauging event, depth to groundwater ranges from approximately 8.3 to 10.3 ft bgs in the parking lot area and 13.4 to 21.1 ft bgs on the adjacent sidewalks. The temporary monitoring wells were gauged in August 2022 and ranged from 5 to 5.25 ft bgs. The groundwater elevation data shows that groundwater flows generally from east to west across the Site, towards the Harlem River. A groundwater contour map showing the inferred direction of groundwater flow, monitoring well locations, and groundwater elevations is provided as **Figure 5**.

4.0 WASTE CHARACTERIZATION SAMPLING ACTIVITIES

The following section discusses the waste characterization activities performed by GZA. Representative photographs of the field investigation activities are included in **Appendix B**.

4.1 SOIL BORING INSTALLATION

From August 15, 2022, through August 17, 2022, eight soil borings were installed in the interior of the existing building to account for two waste characterization grids (WC-01 and WC-02). The soil borings were installed by EPhase2 of Huntington Station, NY, using a Geoprobe 420M Geoprobe® direct-push technology limited access rig equipped with 3-foot interval steel macro-cores with acetate liners.

From August 18 through August 25, 19 soil borings were installed at the parking area (i.e., north exterior of the existing building) to account for 13 waste characterization grids (WC-03 through WC-15). The soil borings were installed by Cascade/Aquifer Drilling and Testing, Inc. (ADT) of Mineola, NY, using a Geoprobe® 7720DT Geoprobe® DPT drill rig equipped with a 5-foot interval steel macro-cores with acetate liners and a Geoprobe® 8140LC mid-size sonic drill rig equipped with a 4-inch steel sampler lined with SDT-45 plastic core bags.

On September 13, 2022, four soil borings were installed were installed at the parking area (i.e., north exterior of the existing building) to account for two waste characterization grids (WC-16 and WC-17) that are located at the proposed elevator pits where the deepest excavation will occur. The soil borings were installed by Clean Globe Environmental, Inc. (CGE) of Hauppauge, NY using a Geoprobe® 7720DT DPT drill rig equipped with a 5-foot interval steel macro-cores with acetate liners.

Soil samples were visually classified in the field and described in accordance with the Modified Burmister Classification System. The soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 eV lamp calibrated to a 100- parts per million (ppm) isobutylene in air standard. PID readings are documented on the soil boring logs in ppm.

Samples were collected based on waste characterization grids that represent approximately 800 cubic yards (CY) of proposed excavated material, a typical requirement of disposal facilities in New Jersey. The 17 waste characterization grids, and soil boring locations are shown on **Figure 2**. Soil borings logs are included in **Appendix C.** This sampling program characterized approximately 13,600 CY of excavated materials for offsite disposal in the areas of the proposed redevelopment.

4.2 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

GZA collected discrete and composite soil samples from the borings up to the proposed extent of the excavation for redevelopment (i.e., between 0 to 13 ft bgs). Discrete/grab soil samples were analyzed for volatile organic compounds (VOCs) and extractable petroleum hydrocarbons (EPH). The grab samples were collected based on visual, olfactory, and PID screening results. Soil samples were then combined into composite samples to account for their respective waste characterization grids listed in the sample summary provided in **Table 1** and as shown in **Figure 2**.

Immediately after sample collection, the soil sample containers were placed in insulated coolers with ice and transported under proper chain-of-custody protocols to Alpha Analytical of Westborough, Massachusetts (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-certified laboratory. The soil samples were submitted to Alpha for the following analyses and by the methods listed below:

Matrix	Analytical Parameters (per 800 cubic yard grid)
Discrete Soil Sample	Target Compound List (TCL) VOC by EPA Method 8260C Toxicity Characteristics Leaching Procedure (TCLP) Volatile Organic Compounds (VOC) by EPA Method 8260C/1311 Gasoline Range Organics (GRO) by EPA Method 8015D
Composite Soil Sample	TCL Semi-Volatile Organic Compounds (SVOCs) by EPA Method 8270 Target Analyte List (TAL) metals by EPA Methods 6010 TAL Pesticides by EPA Method 8081 TAL Herbicides by EPA Method 8151 TAL Polychlorinated Biphenyls (PCBs) by EPA Method 8082A Resource Conservation and Recovery Act (RCRA) Metals by EPA Method 6010D TCLP RCRA Metals by EPA Method 6010D/7470 RCRA Characteristics, 1030 and 9045D Mercury by EPA Method 7471 Hexavalent Chromium by EPA Method 3060A Total Cyanide by EPA Method 9010/9012 Paint Filter

Laboratory reports for the environmental laboratory testing program are included in **Appendix D.**

5.0 RESULTS

Discussed below are our observations of the subsurface conditions and the analytical results of soil samples that GZA collected during the waste characterization activities.

5.1 SUBSURFACE CONDITIONS

Based on the results Remedial Investigation/Waste Characterization sampling event, the generalized subsurface stratigraphy at the site consists of the following strata, in order of increasing depth:

- SURFACE COVER: 0.5-ft to 1-ft of asphalt or concrete depending on soil boring location.
- FILL: Brown fine to medium grained sand, with some silt, trace gravel. Miscellaneous debris such as brick fragments and ash were encountered within the fill stratum at varying depths from 1.5 to 7 ft bgs.
- SAND: A layer of sand was observed underlaying the fill stratum. It is a brown to dark brown, fine to medium grained sand with trace to some silt. This stratum extended to at the maximum depth of the soil borings at 15 ft bgs.
- GROUNDWATER. Groundwater was encountered at depths between 8.3 and 10.3 ft bgs across the parking area during a groundwater gauging event on September 15, 2022. The temporary monitoring wells drilled in the interior of the building during the Remedial Investigation contained groundwater depths of 5 to 5.3 ft bgs.
- Bedrock was not encountered during this waste characterization investigation.

5.2 SOIL SAMPLE ANALYTICAL RESULTS

GZA compared the laboratory analytical results to the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs), Part 375 Residential Use SCOs (RUSCOs) and Protection of Groundwater Resources (PGWSCOs). The EPH and GRO results were compared to the New Jersey Department of Environmental Protection (NJDEP), Residential Soil Remediation Criteria. The TCLP results were compared to the United States Environmental Protection Agency (EPA), 40 CFR Part 261 Hazardous Waste Regulations (Part 261 HW Regs) Maximum Contaminant Limits. The summary of laboratory analyses is shown in **Table 1**. The analytical results are shown on **Tables 2 through 8.**

Volatile Organic Compounds

Laboratory analytical results for VOCs in soil are summarized in **Table 2**. The following waste characterization grids had VOC exceedances of one or more of the applicable SCOs:

- WC-02
  - At SB-14 for Tetrachloroethene (PCE) exceeded UUSCOs, PGWSCOs, and RUSCOs.
- WC-03
  - At SB-19 for 1,1-dichloroethane (DCA), acetone, cis-1,2 dichloroethene(DCE), trans-1,2 dichloroethene, and trichloroethene (TCE) exceeded UUSCOs and PGWSCOs
  - At SB-03 for cis-1,2 DCE and TCE exceeded UUSCOs and PGWSCOs.
- WC-04
  - At SB-20 for 1,1 DCA, cis-1,2 DCE, trans-1,2 DCE exceeded UUSCOs and PGWSCOs; TCE exceeded UUSCOs, PGWSCOs, and RUSCOs.
- WC-06
  - At SB-05 for PCE exceeded UUSCOs, PGWSCOs, and RUSCOs; TCE exceeded UUSCOs and PGWSCOs.
- WC-07
  - At SB-06 for TCE exceeded UUSCOs and PGWSCOs.
- WC-11
  - At SB-28 for PCE exceeded UUSCOs and PGWSCOs.

Semi-Volatile Organic Compounds

Laboratory analytical results for SVOCs in soil are summarized in **Table 3**. The following waste characterization grids had SVOC exceedances of one or more of the applicable SCOs:

- WC-06
  - Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene exceeded the UUSCOs, PGWSCOs, and RUSCOs
  - Benzo(a)pyrene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs and RUSCOs.
- WC-07
  - Benzo(a)anthracene, Benzo(b)fluoranthene, and Chrysene exceeded the UUSCOs, PGWSCOs, and RUSCOs.
  - Benzo(a)pyrene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs and RUSCOs.

- WC-08
  - Benzo(b)fluoranthene exceeded the UUSCOs and RUSCOs.
- WC-09
  - Benzo(a)anthracene, Benzo(b)fluoranthene, and Chrysene exceeded the UUSCOs, PGWSCOs, and RUSCOs.
  - Benzo(a)pyrene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs and RUSCOs.
- WC-10
  - Benzo(a)anthracene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, and Chrysene exceeded the UUSCOs, PGWSCOs, and RUSCOs.
  - Benzo(a)pyrene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs and RUSCOs.
- WC-13
  - Benzo(a)anthracene, Benzo(b)fluoranthene, and Chrysene exceeded the UUSCOs, PGWSCOs, and RUSCOs.
  - Benzo(a)pyrene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs and RUSCOs.

Metals

Laboratory analytical results for SVOCs in soil are summarized in **Table 4**. The following waste characterization grids had metals exceedances of one or more of the applicable SCOs:

- WC-09 – Lead and mercury exceeded UUSCOs and RUSCOs. Zinc exceeded UUSCOs.

- WC-01 – Lead, Mercury, and Zinc exceeded UUSCOs.
- WC-03 – Copper, Lead, Mercury, and Zinc exceeded UUSCOs.
- WC-04 – Lead and Zinc exceeded UUSCOs.
- WC-05 - Copper, Lead, and Mercury exceeded UUSCOs.
- WC-06 - Lead, Mercury, and Zinc exceeded UUSCOs.
- WC-07 – Mercury exceeded UUSCOs.
- WC-08 - Copper, Lead, Mercury, and Zinc exceeded UUSCOs.
- WC-10 – Lead and Zinc exceeded UUSCOs.
- WC-14 – Lead, Mercury, and Zinc exceeded UUSCOs.
- WC-15 – Lead and Mercury exceeded UUSCOs.

Polychlorinated Biphenyls (PCBs)

The results were either below detection limits or detected at concentrations below their respective UUSCOs, RUSCOs, and PGWSCOs. Laboratory analytical results for PCBs in soil are summarized in **Table 5**.

Pesticides

Laboratory analytical results for Pesticides in soil are summarized in **Table 5**. The following waste characterization grids had Pesticide exceedances of one or more of the applicable SCOs:

- WC-01 – 4,4'-DDE exceeded the UUSCO
- WC-06 – 4,4'-DDT exceeded the UUSCO
- WC-08 – 4,4'-DDE and 4,4'-DDT exceeded the UUSCOs

Herbicides

Results were either below detection limits or detected at concentrations below their respective UUSCOs, RUSCOs, and PGWSCOs. Laboratory analytical results for Herbicides in soil are summarized in **Table 5**.

Toxicity Characteristic Leaching Procedure (TCLP)

TCLP VOCs and TCLP Metals were either below detection limits or below the TCLP Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96). The TCLP concentrations are summarized in **Table 6** (TCLP VOCs) **and 7** (TCLP Metals).

Extractable Petroleum Hydrocarbons (EPH) and Gasoline Range Organics (GRO)

The samples were either below detection limits or below the New Jersey Department of Environmental Protection Residential Soil Remediation Criterion, which is typically used as a disposal facility acceptance criterion. The EPH and GRO concentrations are summarized in **Table 8**.

Waste Characterization Parameters

Laboratory analytical results for waste characterization parameters in soil are summarized in **Table 8**. The analytical results show that the samples are not designated as hazardous waste based on the results of the RCRA Characteristic levels.

6.0 FINDINGS AND CONCLUSIONS

GZA performed a waste characterization study prior to the planned excavation for redevelopment at 101 East 150th Street (a.k.a., 580-586 River Avenue) Bronx, New York. The waste characterization study included a subsurface investigation that involved the collection and analysis of soil samples from the proposed excavation areas.

The findings of the waste characterization study are summarized below.

- During the waste characterization sampling, historic urban fill material of off-site origin was encountered at depths between 1.5 and 7 feet bgs.

- The VOCs 1,1-Dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, TCE, and PCE exceeded the UUSCOs, RUSCOs, and/or PGWSCOs in one or more waste characterization soil samples. Two areas of elevated VOCs (around SB-05 and SB-20) are recommended to be excavated prior to the mass excavation during the IRM. Additional end point samples will be collected around these two areas to confirm that soils above appropriate SCOs have been removed.

- The SVOCs Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene exceeded the UUSCOs, RUSCOs, and/or PGWSCOs in one or more waste characterization soil samples.

- The metals copper, lead, mercury, and zinc exceeded the UUSCOs in multiple waste characterization soil samples. Lead and mercury exceeded the RUSCO in one soil sample.

- The pesticides 4,4-DDE and 4,4-DDT exceeded the UUSCOs in one or more waste characterization soil samples.

- The samples were detected at concentrations below the New Jersey Department of Environmental Protection Residential Soil Remediation Criterion for EPH and GRO.

- TCLP VOCs and TCLP Metals were either below detection limits or below the TCLP Maximum Contaminant Concentrations for Toxicity.

- The analytical results from the Waste Characterization parameters indicate that the samples tested do not exhibit hazardous waste characteristics.

Based on these findings, the following conclusions can be drawn from the waste characterization study in GZA's opinion.

- These analytical results can be used to facilitate the acceptance of the soils for off-site disposal at suitable soil disposal facilities. Excavated material may require additional waste characterization depending on the acceptance requirements of the selected soil disposal facility permit. Excavated material must be transported by a 6 NYCRR Part 364 registered or permitted transporter.

- The analytical results indicate that the toxicity and waste characterization parameters were within the maximum allowed concentrations of contaminants, and the soils can be managed as non-hazardous materials.

- Soils in waste characterization grids 2, 3, 4, 6, 7, 8, 9, 10, 11 and 13 exhibited concentrations that exceeded Residential or Protection of Groundwater SCOs. Therefore, the fill material observed in these grids do not meet the definition of "General Fill" in New York State (refer to 6 NYCRR Part 360), and disposal at a permitted facility is required.

- Transportation and off-Site disposal of all soil/fill material at licensed or permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and the approved IRMWP/RAWP. Appropriate segregation of excavated media on-Site.

- For each disposal facility to be during the BCP Site redevelopment, a letter from the Owner/GZA to the receiving facility requesting approval for disposal and a letter back to the Owner/GZA providing approval for disposal will be submitted to NYSDEC prior to any transport and disposal of soil at a facility. Disposal facilities will be reported to NYSDEC when they are identified and prior to the start of the IRM and/or remedial action.

Tables

Sample Name	Grab Sample Location	Composite Sample Locations	Sample Collection Date	Laboratory ID
Soil				
WC-01	SB-10(1'), SB-12(4') SB-13 (1'), SB-13 (4'), SB-15(2'), SB-15(4')	SB-10(0-5'), SB-12 (0-5') SB-13 (0-5') and SB-15 (0-5')	8/17/2022	L2243951-47 to L2243951-48
WC-02	SB-09(2'), SB-09(6'), SB-11(1'), SB-11(4'), SB-14 (1'), SB-14 (6'), SB-16(2'), SB-16(5')	SB-09 (0-7'), SB-11(0-5'), SB-14 (0-6'), SB-16(0-5')	8/15/2022	L2243951-11 to L2243951-12
WC-03	SB-03(1'), SB-03(6'), SB-04 (1'), SB-17(2'), SB-17(5'), SB-19 (4')	SB-03(1-7'), SB-04 (1-7'),SB-17(1-5'), SB-19(0-9')	8/22/2022	L2245374-19 to L2245374-20
WC-04	SB-18 (2'), SB-18 (4'), SB-18 (6'), SB-20 (1'), SB-20 (6')	SB-18 (0-6') and SB-20 (0-9')	8/18/2022	L2244887-33 to L2244887-34
WC-05	SB-21 (2'), SB-21 (4'), SB-29(2'), SB-29(4')	SB-21 (0-9'), SB-29(1-9')	8/18/2022	L2244887-27 to L2244887-28
WC-06	SB-05 (2'), SB-05 (4')	SB-05 (0-7')	8/19/2022	L2244887-52 to L2244887-53
WC-07	SB-06 (1.5'), SB-06 (6')	SB-06 (0-9')	8/22/2022	L2245374-21 to L2245374-22
WC-08	SB-23 (2'), SB-23 (7')	SB-23 (0-7')	8/18/2022	L2244887-29 to L2244887-30
WC-09	SB-22 (1'), SB-22 (5'), SB-24 (7')	SB-22 (1-9') and SB-24 (0-7')	8/24/2022	L2246011-17 to L2246011-18
WC-10	SB-25 (2'), SB-25 (5')	SB-25 (1-9')	8/24/2022	L2246011-49 to L2246011-50
WC-11	SB-28 (1')	SB-28 (0-10')	8/24/2022	L2246011-19 to L2246011-20
WC-12	SB-08 (2'), SB-08 (7')	SB-08 (0-7')	8/19/2022	L2244887-51 to L2244887-50
WC-13	SB-26 (1'), SB-26 (6'), SB26 (9)	SB-26 (0-10')	8/24/2022	L2246011-21 to L2246011-22
WC-14	SB-27 (2'), SB-27 (7')	SB-27 (0-7')	8/18/2022	L2244887-31 to L2244887-30
WC-15	SB-07 (1'), SB-07 (5')	SB-07 (0-9')	8/23/2022	L2245374-35 to L2245374-36
WC-16	SB-30 (11')	SB-30 and SB-31 (8-12.5')	9/13/2022	L2249841-01 to L2249841-02
WC-17	SB-32 (10')	SB-32 and SB-33 (8-13')	9/13/2022	L2249841-03 to L2249841-04

Notes:

WC = Waste Characterization
SB = Soil Boring

WASTE CHARACTERIZATION GRID				WC-01											
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-10		SB-12		SB-13		SB-13		SB-15		SB-15	
LAB SAMPLE ID				L2243951-15		L2243951-29		L2243951-37		L2243951-39		L2243951-41		L2243951-43	
DATE				8/16/2022		8/16/2022		8/17/2022		8/17/2022		8/17/2022		8/17/2022	
SAMPLE DEPTH (ft.)				1		4		1		4		2		4	
				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	0.00055	U	0.00053	U	0.00052	U	0.00063	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
1,1,2,2-Tetrachloroethane	-	-	-	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
1,1,2-Trichloroethane	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,1-Dichloroethane	0.27	19	0.27	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,1-Dichloropropene	-	-	-	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
1,2,3-Trichlorobenzene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2,3-Trichloropropane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2,4-Trichlorobenzene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2-Dibromo-3-chloropropane	-	-	-	0.0031	U	0.0027	U	0.0033	U	0.0032	U	0.0031	U	0.0038	U
1,2-Dibromoethane	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,2-Dichloroethane	0.02	2.3	0.02	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,2-Dichloroethene, Total	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,2-Dichloropropane	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,3-Dichlorobenzene	2.4	17	2.4	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,3-Dichloropropane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,3-Dichloropropene, Total	-	-	-	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
1,4-Dioxane	0.1	9.8	0.1	0.082	U	0.072	U	0.088	U	0.084	U	0.082	U	0.1	U
2,2-Dichloropropane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
2-Butanone	0.12	100	0.12	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
2-Hexanone	-	-	-	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
4-Methyl-2-pentanone	-	-	-	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
Acetone	0.05	100	0.05	0.01	U	0.009	U	0.007	J	0.01	U	0.01	U	0.013	U
Acrylonitrile	-	-	-	0.0041	U	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
Benzene	0.06	2.9	0.06	0.00018	J	0.0002	J	0.00039	J	0.00042	J	0.00024	J	0.00029	J
Bromobenzene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Bromochloromethane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Bromodichloromethane	-	-	-	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
Bromoform	-	-	-	0.0041	U	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
Bromomethane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Carbon disulfide	-	-	-	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
Carbon tetrachloride	0.76	1.4	0.76	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Chlorobenzene	1.1	100	1.1	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
Chloroethane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Chloroform	0.37	10	0.37	0.0015	U	0.0014	U	0.0016	U	0.0016	U	0.0015	U	0.0019	U
Chloromethane	-	-	-	0.0041	U	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
cis-1,3-Dichloropropene	-	-	-	0.00051	U	0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
Dibromochloromethane	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Dibromomethane	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Dichlorodifluoromethane	-	-	-	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
Ethyl ether	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Ethylbenzene	1	30	1	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Hexachlorobutadiene	-	-	-	0.0041	U	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
Isopropylbenzene	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Methylene chloride	0.05	51	0.05	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Methyl tert butyl ether	0.93	62	0.93	0.0051	U	0.0045	U	0.0055	U	0.0053	U	0.0052	U	0.0063	U
Naphthalene	12	100	12	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
n-Butylbenzene	12	100	12	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
n-Propylbenzene	3.9	100	3.9	0.0011	J	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
o-Chlorotoluene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
o-Xylene	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
p/m-Xylene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
p-Chlorotoluene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
p-Diethylbenzene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
p-Ethyltoluene	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
p-Isopropyltoluene	-	-	-	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
sec-Butylbenzene	11	100	11	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Styrene	-	-	-	0.001	U	0.0009	U	0.00067	J	0.00065	J	0.00064	J	0.00078	J
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0018	U	0.0022	U	0.0021	U	0.0021	U	0.0025	U
Tetrachloroethene	1.3	5.5	1.3	0.016		0.00045	U	0.00027	J	0.00053	U	0.00052	U	0.00063	U
Toluene	0.7	100	0.7	0.00063	J	0.0009	U	0.0007	J	0.00086	J	0.00059	J	0.0013	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0014	U	0.0016	U	0.0016	U	0.0015	U	0.0019	U
trans-1,3-Dichloropropene	-	-	-	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0051	U	0.0045	U	0.0055	U	0.0053	U	0.0052	U	0.0063	U
Trichloroethene	0.47	10	0.47	0.00084		0.00045	U	0.00055	U	0.00053	U	0.00052	U	0.00063	U
Trichlorofluoromethane	-	-	-	0.0041	U	0.0036	U	0.0044	U	0.0042	U	0.0041	U	0.0051	U
Vinyl acetate	-	-	-	0.01	U	0.009	U	0.011	U	0.01	U	0.01	U	0.013	U
Vinyl chloride	0.02	0.21	0.02	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0009	U	0.0011	U	0.001	U	0.001	U	0.0013	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 Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID				WC-02															
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-09		SB-09		SB-11		SB-11		SB-14		SB-14		SB-16		SB-16	
LAB SAMPLE ID				L2243951-01		L2243951-03		L2243951-20		L2243951-22		L2243951-05		L2243951-07		L2243951-25		L2243951-31	
DATE				8/15/2022		8/15/2022		8/16/2022		8/16/2022		8/15/2022		8/15/2022		8/16/2022		8/16/2022	
SAMPLE DEPTH (ft.)				2		6		1		4		1		6		2		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	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
1,1,2,2-Tetrachloroethane	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
1,1,2-Trichloroethane	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,1-Dichloroethane	0.27	19	0.27	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,1-Dichloroethene	0.33	100	0.33	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,1-Dichloropropene	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
1,2,3-Trichlorobenzene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2,3-Trichloropropane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2,4-Trichlorobenzene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.00073	J	0.0019	J	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2-Dibromo-3-chloropropane	-	-	-	0.0028	U	0.003	U	0.0029	U	0.003	U	0.19	U	0.0031	U	0.003	U	0.0028	U
1,2-Dibromoethane	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,2-Dichloroethane	0.02	2.3	0.02	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,2-Dichloroethene, Total	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,2-Dichloropropane	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.0003	J	0.00077	J	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,3-Dichlorobenzene	2.4	17	2.4	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,3-Dichloropropane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,3-Dichloropropene, Total	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
1,4-Dioxane	0.1	9.8	0.1	0.076	U	0.079	U	0.076	U	0.079	U	5	U	0.084	U	0.079	U	0.075	U
2,2-Dichloropropane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
2-Butanone	0.12	100	0.12	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
2-Hexanone	-	-	-	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
4-Methyl-2-pentanone	-	-	-	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
Acetone	0.05	100	0.05	0.0047	J	0.0099	U	0.0094	J	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
Acrylonitrile	-	-	-	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
Benzene	0.06	2.9	0.06	0.00026	J	0.00035	J	0.00022	J	0.00049	U	0.031	U	0.00057		0.0005	U	0.00047	U
Bromobenzene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Bromochloromethane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Bromodichloromethane	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
Bromoform	-	-	-	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
Bromomethane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Carbon disulfide	-	-	-	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
Carbon tetrachloride	0.76	1.4	0.76	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.034	J	0.001	U	0.00099	U	0.00094	U
Chlorobenzene	1.1	100	1.1	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
Chloroethane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Chloroform	0.37	10	0.37	0.0014	U	0.0015	U	0.0014	U	0.0015	U	0.1		0.00066	J	0.0015	U	0.0014	U
Chloromethane	-	-	-	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
cis-1,3-Dichloropropene	-	-	-	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.031	U	0.00052	U	0.0005	U	0.00047	U
Dibromochloromethane	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
Dibromomethane	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Dichlorodifluoromethane	-	-	-	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
Ethyl ether	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Ethylbenzene	1	30	1	0.00037	J	0.00034	J	0.00096	U	0.00098	U	0.062	U	0.00037	J	0.00099	U	0.00094	U
Hexachlorobutadiene	-	-	-	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
Isopropylbenzene	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
Methylene chloride	0.05	51	0.05	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Methyl tert butyl ether	0.93	62	0.93	0.0047	U	0.005	U	0.0048	U	0.0049	U	0.31	U	0.0052	U	0.005	U	0.0047	U
Naphthalene	12	100	12	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
n-Butylbenzene	12	100	12	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
n-Propylbenzene	3.9	100	3.9	0.0038	U	0.004	U	0.0007	J	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
o-Chlorotoluene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
o-Xylene	-	-	-	0.0005	J	0.00056	J	0.00096	U	0.00098	U	0.062	U	0.00042	J	0.00099	U	0.00094	U
p/m-Xylene	-	-	-	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
p-Chlorotoluene	-	-	-	0.0019	U	0.00026	J	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
p-Diethylbenzene	-	-	-	0.00046	J	0.0007	J	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
p-Ethyltoluene	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
p-Isopropyltoluene	-	-	-	0.0015	J	0.0014	J	0.0019	U	0.002	U	0.12	U	0.0013	J	0.002	U	0.0019	U
sec-Butylbenzene	11	100	11	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
Styrene	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
tert-Butylbenzene	5.9	100	5.9	0.0019	U	0.002	U	0.0019	U	0.002	U	0.12	U	0.0021	U	0.002	U	0.0019	U
Tetrachloroethene	1.3	5.5	1.3	0.00063		0.0014		0.00037	J	0.00049	U	**12**		0.00052	U	0.0005	U	0.00047	U
Toluene	0.7	100	0.7	0.0014		0.0012		0.00096	U	0.00098	U	0.062	U	0.0017		0.00099	U	0.00094	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0014	U	0.0015	U	0.0014	U	0.0015	U	0.093	U	0.0016	U	0.0015	U	0.0014	U
trans-1,3-Dichloropropene	-	-	-	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0047	U	0.005	U	0.0048	U	0.0049	U	0.31	U	0.0052	U	0.005	U	0.0047	U
Trichloroethene	0.47	10	0.47	0.00047	U	0.0005	U	0.00048	U	0.00049	U	0.26		0.00052	U	0.0005	U	0.00047	U
Trichlorofluoromethane	-	-	-	0.0038	U	0.004	U	0.0038	U	0.0039	U	0.25	U	0.0042	U	0.004	U	0.0037	U
Vinyl acetate	-	-	-	0.0095	U	0.0099	U	0.0096	U	0.0098	U	0.62	U	0.01	U	0.0099	U	0.0094	U
Vinyl chloride	0.02	0.21	0.02	0.00095	U	0.00099	U	0.00096	U	0.00098	U	0.062	U	0.001	U	0.00099	U	0.00094	U
Xylenes, Total	0.26	100	1.6	0.002	J	0.002	J	0.00096	U	0.00098	U	0.062	U	0.0017	J	0.00099	U	0.00094	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 Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID				WC-03															
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-03		SB-03		SB-04		SB-17		SB-17		SB-19		SB-19	
LAB SAMPLE ID				L2245374-11		L2245374-13		L2244887-54		L2246011-29		L2246011-31		L2246011-35		L2246011-37	
DATE				8/22/2022		8/22/2022		8/22/2022		8/25/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1		6		1		2		5		3		4	
				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	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
1,1,1-Trichloroethane	0.68	100	0.68	0.0048		0.37		0.00026	J	0.0078		0.0016		0.074		0.29	
1,1,2,2-Tetrachloroethane	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
1,1,2-Trichloroethane	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
1,1-Dichloroethane	0.27	19	0.27	0.002		0.14		0.00031	J	0.0038		0.001	U	**0.93**		**1.5**	
1,1-Dichloroethene	0.33	100	0.33	0.0006	J	0.046	J	0.00086	U	0.00079	J	0.001	U	0.083		0.16	
1,1-Dichloropropene	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
1,2,3-Trichlorobenzene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,2,3-Trichloropropane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	4.1		2.1	
1,2,4-Trichlorobenzene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.36		0.18	
1,2-Dibromo-3-chloropropane	-	-	-	0.0027	U	0.15	U	0.0026	U	0.004	U	0.0031	U	0.16	U	0.12	U
1,2-Dibromoethane	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,2-Dichloroethane	0.02	2.3	0.02	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
1,2-Dichloroethene, Total	-	-	-	0.012	J	0.62	J	0.00086	U	0.0085		0.0005	J	3.3	J	11	
1,2-Dichloropropane	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.47		0.25	
1,3-Dichlorobenzene	2.4	17	2.4	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,3-Dichloropropane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,3-Dichloropropene, Total	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
1,4-Dioxane	0.1	9.8	0.1	0.073	U	3.9	U	0.069	U	0.11	U	0.082	U	4.4	U	3.2	U
2,2-Dichloropropane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
2-Butanone	0.12	100	0.12	0.0091	U	0.49	U	0.0021	J	0.013	U	0.01	U	0.54	U	0.088	J
2-Hexanone	-	-	-	0.0091	U	0.49	U	0.0086	U	0.013	U	0.01	U	0.54	U	0.4	U
4-Methyl-2-pentanone	-	-	-	0.0091	U	0.49	U	0.0086	U	0.013	U	0.01	U	0.54	U	0.4	U
Acetone	0.05	100	0.05	0.0091	U	0.49	U	0.027		0.013	U	0.01	U	0.54	U	**0.3**	**J**
Acrylonitrile	-	-	-	0.0036	U	0.2	U	0.0035	U	0.0054	U	0.0041	U	0.22	U	0.16	U
Benzene	0.06	2.9	0.06	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
Bromobenzene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Bromochloromethane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Bromodichloromethane	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
Bromoform	-	-	-	0.0036	U	0.2	U	0.0035	U	0.0054	U	0.0041	U	0.22	U	0.16	U
Bromomethane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.043	J
Carbon disulfide	-	-	-	0.0091	U	0.49	U	0.0086	U	0.013	U	0.01	U	0.54	U	0.4	U
Carbon tetrachloride	0.76	1.4	0.76	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
Chlorobenzene	1.1	100	1.1	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
Chloroethane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Chloroform	0.37	10	0.37	0.0014	U	0.074	U	0.0013	U	0.00029	J	0.0015	U	0.082	U	0.06	U
Chloromethane	-	-	-	0.0036	U	0.2	U	0.0035	U	0.0054	U	0.0041	U	0.22	U	0.16	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.012		**0.61**		0.00086	U	0.0085		0.0005	J	**3.2**		**11**	
cis-1,3-Dichloropropene	-	-	-	0.00046	U	0.024	U	0.00043	U	0.00067	U	0.0005	U	0.027	U	0.02	U
Dibromochloromethane	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
Dibromomethane	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Dichlorodifluoromethane	-	-	-	0.0091	U	0.49	U	0.0086	U	0.013	U	0.01	U	0.54	U	0.4	U
Ethyl ether	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Ethylbenzene	1	30	1	0.00091	U	0.0075	J	0.00086	U	0.0013	U	0.001	U	0.02	J	0.02	J
Hexachlorobutadiene	-	-	-	0.0036	U	0.2	U	0.0035	U	0.0054	U	0.0041	U	0.22	U	0.16	U
Isopropylbenzene	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.13		0.051	
Methylene chloride	0.05	51	0.05	0.0046	U	0.24	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
Methyl tert butyl ether	0.93	62	0.93	0.0018	U	0.098	U	0.0043	U	0.0067	U	0.0051	U	0.27	U	0.2	U
Naphthalene	12	100	12	0.0036	U	0.2	U	0.00086	U	0.0054	U	0.0041	U	4.3		3.3	
n-Butylbenzene	12	100	12	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.25		0.15	
n-Propylbenzene	3.9	100	3.9	0.00091	U	0.049	U	0.0035	U	0.0013	U	0.001	U	0.2		0.12	
o-Chlorotoluene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
o-Xylene	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.068		0.028	J
p/m-Xylene	-	-	-	0.0018	U	0.041	J	0.0017	U	0.0027	U	0.002	U	0.078	J	0.075	J
p-Chlorotoluene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.11	U	0.079	U
p-Diethylbenzene	-	-	-	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	1.4		2.3	
p-Ethyltoluene	-	-	-	0.0018	U	0.019	J	0.00086	U	0.0027	U	0.002	U	0.54		0.31	
p-Isopropyltoluene	-	-	-	0.00091	U	0.049	U	0.0017	U	0.0013	U	0.001	U	1.2		0.47	
sec-Butylbenzene	11	100	11	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	2.3		0.63	
Styrene	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.011	J	0.012	J
tert-Butylbenzene	5.9	100	5.9	0.0018	U	0.098	U	0.0017	U	0.0027	U	0.002	U	0.17		0.033	J
Tetrachloroethene	1.3	5.5	1.3	0.00046	U	0.026		0.00043	U	0.00047	J	0.0005	U	0.027	U	0.02	U
Toluene	0.7	100	0.7	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.032	J	0.024	J
trans-1,2-Dichloroethene	0.19	100	0.19	0.00018	J	0.0096	J	0.0013	U	0.002	U	0.0015	U	0.052	J	**0.2**	
trans-1,3-Dichloropropene	-	-	-	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0046	U	0.24	U	0.0043	U	0.0067	U	0.0051	U	0.27	U	0.2	U
Trichloroethene	0.47	10	0.47	0.035		**4.8**		0.00037	J	0.016		0.0044		**0.79**		**2.4**	
Trichlorofluoromethane	-	-	-	0.0036	U	0.2	U	0.0035	U	0.0054	U	0.0041	U	0.22	U	0.16	U
Vinyl acetate	-	-	-	0.0091	U	0.49	U	0.0086	U	0.013	U	0.01	U	0.54	U	0.4	U
Vinyl chloride	0.02	0.21	0.02	0.00091	U	0.049	U	0.00086	U	0.0013	U	0.001	U	0.054	U	0.04	U
Xylenes, Total	0.26	100	1.6	0.00091	U	0.041	J	0.00086	U	0.0013	U	0.001	U	0.15	J	0.1	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 its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID				WC-04									
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-18		SB-18		SB-18		SB-20		SB-20	
LAB SAMPLE ID				L2244887-54		L2244887-15		L2244887-17		L2243951-49 R1		L2243951-51	
DATE				8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022	
SAMPLE DEPTH (ft.)				2		4		6		1		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	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00043	U	0.00049	U	0.0013		0.31		0.0082	
1,1,2,2-Tetrachloroethane	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
1,1,2-Trichloroethane	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
1,1-Dichloroethane	0.27	19	0.27	0.00086	U	0.00099	U	0.00082	U	**0.59**		0.0077	
1,1-Dichloroethene	0.33	100	0.33	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.0017	
1,1-Dichloropropene	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
1,2,3-Trichlorobenzene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,2,3-Trichloropropane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,2,4-Trichlorobenzene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0017	U	0.002	U	0.0016	U	0.12	J	0.0019	U
1,2-Dibromo-3-chloropropane	-	-	-	0.0026	U	0.003	U	0.0024	U	0.89	U	0.0028	U
1,2-Dibromoethane	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,2-Dichloroethane	0.02	2.3	0.02	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
1,2-Dichloroethene, Total	-	-	-	0.00086	U	0.00099	U	0.00082	U	2.1	J	0.015	J
1,2-Dichloropropane	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,3-Dichlorobenzene	2.4	17	2.4	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,3-Dichloropropane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,3-Dichloropropene, Total	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
1,4-Dioxane	0.1	9.8	0.1	0.069	U	0.079	U	0.066	U	24	U	0.076	U
2,2-Dichloropropane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
2-Butanone	0.12	100	0.12	0.0086	U	0.0099	U	0.0082	U	3	U	0.0051	J
2-Hexanone	-	-	-	0.0086	U	0.0099	U	0.0082	U	3	U	0.0095	U
4-Methyl-2-pentanone	-	-	-	0.0086	U	0.0099	U	0.0082	U	3	U	0.0095	U
Acetone	0.05	100	0.05	0.0086	U	0.0099	U	0.0082	U	3	U	0.036	
Acrylonitrile	-	-	-	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
Benzene	0.06	2.9	0.06	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
Bromobenzene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Bromochloromethane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Bromodichloromethane	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
Bromoform	-	-	-	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
Bromomethane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Carbon disulfide	-	-	-	0.0086	U	0.0099	U	0.0082	U	3	U	0.0095	U
Carbon tetrachloride	0.76	1.4	0.76	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
Chlorobenzene	1.1	100	1.1	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
Chloroethane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Chloroform	0.37	10	0.37	0.0013	U	0.0015	U	0.0012	U	0.44	U	0.00037	J
Chloromethane	-	-	-	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00086	U	0.00099	U	0.00082	U	**1.9**		0.014	
cis-1,3-Dichloropropene	-	-	-	0.00043	U	0.00049	U	0.00041	U	0.15	U	0.00048	U
Dibromochloromethane	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
Dibromomethane	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Dichlorodifluoromethane	-	-	-	0.0086	U	0.0099	U	0.0082	U	3	U	0.0095	U
Ethyl ether	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Ethylbenzene	1	30	1	0.00086	U	0.00099	U	0.00082	U	0.073	J	0.00095	U
Hexachlorobutadiene	-	-	-	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
Isopropylbenzene	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
Methylene chloride	0.05	51	0.05	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Methyl tert butyl ether	0.93	62	0.93	0.0043	U	0.0049	U	0.0041	U	1.5	U	0.0047	J
Naphthalene	12	100	12	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
n-Butylbenzene	12	100	12	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
n-Propylbenzene	3.9	100	3.9	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
o-Chlorotoluene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
o-Xylene	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
p/m-Xylene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
p-Chlorotoluene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
p-Diethylbenzene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.12	J	0.0019	U
p-Ethyltoluene	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
p-Isopropyltoluene	-	-	-	0.0017	U	0.002	U	0.0016	U	0.18	J	0.0019	U
sec-Butylbenzene	11	100	11	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
Styrene	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
tert-Butylbenzene	5.9	100	5.9	0.0017	U	0.002	U	0.0016	U	0.59	U	0.0019	U
Tetrachloroethene	1.3	5.5	1.3	0.00046		0.00062		0.0018		0.64		0.00075	
Toluene	0.7	100	0.7	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.0015	U	0.0012	U	**0.19**	**J**	0.00088	J
trans-1,3-Dichloropropene	-	-	-	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0043	U	0.0049	U	0.0041	U	1.5	U	0.0048	U
Trichloroethene	0.47	10	0.47	0.00043	U	0.00016	J	0.00067		**150**	**E**	0.26	
Trichlorofluoromethane	-	-	-	0.0034	U	0.004	U	0.0033	U	1.2	U	0.0038	U
Vinyl acetate	-	-	-	0.0086	U	0.0099	U	0.0082	U	3	U	0.0095	U
Vinyl chloride	0.02	0.21	0.02	0.00086	U	0.00099	U	0.00082	U	0.3	U	0.00095	U
Xylenes, Total	0.26	100	1.6	0.00086	U	0.00099	U	0.00082	U	0.18	J	0.00095	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 Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID				WC-05								WC-06			
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-21		SB-21		SB-29		SB-29		SB-05		SB-05	
LAB SAMPLE ID				L2244887-01		L2244887-03		L2246011-41		L2246011-43		L2244887-42		L2244887-44	
DATE				8/18/2022		8/18/2022		8/25/2022		8/25/2022		8/19/2022		8/19/2022	
SAMPLE DEPTH (ft.)				2		4		2		4		2		4	
				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	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00099		0.0017		0.032		0.0084		0.087		0.21	
1,1,2,2-Tetrachloroethane	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
1,1,2-Trichloroethane	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,1-Dichloroethane	0.27	19	0.27	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,1-Dichloropropene	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
1,2,3-Trichlorobenzene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2,3-Trichloropropane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2,4-Trichlorobenzene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2-Dibromo-3-chloropropane	-	-	-	0.003	U	0.003	U	0.0055	U	0.004	U	0.2	U	0.16	U
1,2-Dibromoethane	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,2-Dichloroethane	0.02	2.3	0.02	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,2-Dichloroethene, Total	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,2-Dichloropropane	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,3-Dichlorobenzene	2.4	17	2.4	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,3-Dichloropropane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,3-Dichloropropene, Total	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
1,4-Dioxane	0.1	9.8	0.1	0.08	U	0.081	U	0.15	U	0.11	U	5.4	U	4.3	U
2,2-Dichloropropane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
2-Butanone	0.12	100	0.12	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
2-Hexanone	-	-	-	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
4-Methyl-2-pentanone	-	-	-	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
Acetone	0.05	100	0.05	0.01	U	0.01	U	0.017	J	0.013	J	0.67	U	0.54	U
Acrylonitrile	-	-	-	0.004	U	0.0041	U	0.0073	U	0.0054	U	0.27	U	0.22	U
Benzene	0.06	2.9	0.06	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
Bromobenzene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Bromochloromethane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Bromodichloromethane	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
Bromoform	-	-	-	0.004	U	0.0041	U	0.0073	U	0.0054	U	0.27	U	0.22	U
Bromomethane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Carbon disulfide	-	-	-	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
Carbon tetrachloride	0.76	1.4	0.76	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Chlorobenzene	1.1	100	1.1	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
Chloroethane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Chloroform	0.37	10	0.37	0.0015	U	0.0015	U	0.0027	U	0.00035	J	0.1	U	0.081	U
Chloromethane	-	-	-	0.004	U	0.0041	U	0.0073	U	0.0054	U	0.27	U	0.22	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
cis-1,3-Dichloropropene	-	-	-	0.0005	U	0.00051	U	0.00091	U	0.00067	U	0.034	U	0.027	U
Dibromochloromethane	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Dibromomethane	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Dichlorodifluoromethane	-	-	-	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
Ethyl ether	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Ethylbenzene	1	30	1	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Hexachlorobutadiene	-	-	-	0.004	U	0.0041	U	0.0073	U	0.0054	U	0.27	U	0.22	U
Isopropylbenzene	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Methylene chloride	0.05	51	0.05	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Methyl tert butyl ether	0.93	62	0.93	0.005	U	0.0051	U	0.0091	U	0.0067	U	0.34	U	0.27	U
Naphthalene	12	100	12	0.001	U	0.001	U	0.0073	U	0.0054	U	0.067	U	0.054	U
n-Butylbenzene	12	100	12	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
n-Propylbenzene	3.9	100	3.9	0.004	U	0.0041	U	0.0018	U	0.0013	U	0.27	U	0.22	U
o-Chlorotoluene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
o-Xylene	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
p/m-Xylene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
p-Chlorotoluene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
p-Diethylbenzene	-	-	-	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
p-Ethyltoluene	-	-	-	0.001	U	0.001	U	0.0036	U	0.0027	U	0.067	U	0.054	U
p-Isopropyltoluene	-	-	-	0.002	U	0.002	U	0.0018	U	0.0013	U	0.13	U	0.11	U
sec-Butylbenzene	11	100	11	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Styrene	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.002	U	0.0036	U	0.0027	U	0.13	U	0.11	U
Tetrachloroethene	1.3	5.5	1.3	0.0005	U	0.00051	U	0.00091	U	0.00067	U	**3.7**		**9.4**	
Toluene	0.7	100	0.7	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.05	J
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0015	U	0.0027	U	0.002	U	0.1	U	0.081	U
trans-1,3-Dichloropropene	-	-	-	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
trans-1,4-Dichloro-2-butene	-	-	-	0.005	U	0.0051	U	0.0091	U	0.0067	U	0.34	U	0.27	U
Trichloroethene	0.47	10	0.47	0.0005	U	0.00058		0.00091	U	0.00054	J	0.42		**1.2**	
Trichlorofluoromethane	-	-	-	0.004	U	0.0041	U	0.0073	U	0.0054	U	0.27	U	0.22	U
Vinyl acetate	-	-	-	0.01	U	0.01	U	0.018	U	0.013	U	0.67	U	0.54	U
Vinyl chloride	0.02	0.21	0.02	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	U	0.054	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.001	U	0.0018	U	0.0013	U	0.067	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: 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.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-07				WC-08				WC-09					
LOCATION				SB-06		SB-06		SB-23		SB-23		SB-22		SB-22		SB-24	
LAB SAMPLE ID				L2245374-05		L2245374-07		L2244887-07		L2244887-09		L2245374-41		L2245374-43		L2246011-01	
DATE				8/22/2022		8/22/2022		8/18/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				1.5		6		2		7		1		5		7	
				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	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
1,1,1-Trichloroethane	0.68	100	0.68	0.01		0.45		0.0026		0.00047	U	0.0074		0.0019		0.00019	J
1,1,2,2-Tetrachloroethane	-	-	-	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
1,1,2-Trichloroethane	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
1,1-Dichloroethane	0.27	19	0.27	0.0031		0.058		0.0009	U	0.00094	U	0.0016		0.00091	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.0004	J	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
1,1-Dichloropropene	-	-	-	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
1,2,3-Trichlorobenzene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2,3-Trichloropropane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2,4-Trichlorobenzene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0017	U	0.035	J	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2-Dibromo-3-chloropropane	-	-	-	0.0026	U	0.15	U	0.0027	U	0.0028	U	0.0036	U	0.0027	U	0.003	U
1,2-Dibromoethane	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,2-Dichloroethane	0.02	2.3	0.02	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
1,2-Dichloroethene, Total	-	-	-	0.00051	J	0.24		0.0009	U	0.00094	U	0.025	J	0.0044		0.001	U
1,2-Dichloropropane	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,3-Dichlorobenzene	2.4	17	2.4	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,3-Dichloropropane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,3-Dichloropropene, Total	-	-	-	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
1,4-Dioxane	0.1	9.8	0.1	0.068	U	4.1	U	0.072	U	0.076	U	0.095	U	0.073	U	0.08	U
2,2-Dichloropropane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
2-Butanone	0.12	100	0.12	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
2-Hexanone	-	-	-	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
4-Methyl-2-pentanone	-	-	-	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
Acetone	0.05	100	0.05	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.0055	J
Acrylonitrile	-	-	-	0.0034	U	0.2	U	0.0036	U	0.0038	U	0.0048	U	0.0036	U	0.004	U
Benzene	0.06	2.9	0.06	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
Bromobenzene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Bromochloromethane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Bromodichloromethane	-	-	-	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
Bromoform	-	-	-	0.0034	U	0.2	U	0.0036	U	0.0038	U	0.0048	U	0.0036	U	0.004	U
Bromomethane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Carbon disulfide	-	-	-	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
Carbon tetrachloride	0.76	1.4	0.76	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
Chloroethane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Chloroform	0.37	10	0.37	0.0013	U	0.076	U	0.0014	U	0.0014	U	0.0018	U	0.0014	U	0.0015	U
Chloromethane	-	-	-	0.0034	U	0.2	U	0.0036	U	0.0038	U	0.0048	U	0.0036	U	0.004	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00051	J	0.24		0.0009	U	0.00094	U	0.024		0.0044		0.001	U
cis-1,3-Dichloropropene	-	-	-	0.00043	U	0.025	U	0.00045	U	0.00047	U	0.00059	U	0.00046	U	0.0005	U
Dibromochloromethane	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Dibromomethane	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Dichlorodifluoromethane	-	-	-	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
Ethyl ether	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Ethylbenzene	1	30	1	0.00086	U	0.008	J	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Hexachlorobutadiene	-	-	-	0.0034	U	0.2	U	0.0036	U	0.0038	U	0.0048	U	0.0036	U	0.004	U
Isopropylbenzene	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Methylene chloride	0.05	51	0.05	0.0043	U	0.25	U	0.0018	U	0.0019	U	0.0059	U	0.0046	U	0.002	U
Methyl tert butyl ether	0.93	62	0.93	0.0017	U	0.1	U	0.0045	U	0.0047	U	0.0024	U	0.0018	U	0.005	U
Naphthalene	12	100	12	0.0034	U	0.54		0.0009	U	0.00094	U	0.0048	U	0.0036	U	0.004	U
n-Butylbenzene	12	100	12	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
n-Propylbenzene	3.9	100	3.9	0.00086	U	0.051	U	0.047		0.0038	U	0.0012	U	0.00091	U	0.001	U
o-Chlorotoluene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
o-Xylene	-	-	-	0.00086	U	0.031	J	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
p/m-Xylene	-	-	-	0.0017	U	0.046	J	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
p-Chlorotoluene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
p-Diethylbenzene	-	-	-	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
p-Ethyltoluene	-	-	-	0.0017	U	0.05	J	0.0009	U	0.00094	U	0.0024	U	0.0018	U	0.002	U
p-Isopropyltoluene	-	-	-	0.00086	U	0.051	U	0.0018	U	0.0019	U	0.0012	U	0.00091	U	0.001	U
sec-Butylbenzene	11	100	11	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Styrene	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.0017	U	0.1	U	0.0018	U	0.0019	U	0.0024	U	0.0018	U	0.002	U
Tetrachloroethene	1.3	5.5	1.3	0.00026	J	0.33		0.00045	U	0.00047	U	0.00085		0.0043		0.0005	U
Toluene	0.7	100	0.7	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0013	U	0.076	U	0.0014	U	0.0014	U	0.00097	J	0.0014	U	0.0015	U
trans-1,3-Dichloropropene	-	-	-	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0043	U	0.25	U	0.0045	U	0.0047	U	0.0059	U	0.0046	U	0.005	U
Trichloroethene	0.47	10	0.47	0.011		**3.8**		0.00045	U	0.00047	U	0.003		0.0063		0.0005	U
Trichlorofluoromethane	-	-	-	0.0034	U	0.2	U	0.0036	U	0.0038	U	0.0048	U	0.0036	U	0.004	U
Vinyl acetate	-	-	-	0.0086	U	0.51	U	0.009	U	0.0094	U	0.012	U	0.0091	U	0.01	U
Vinyl chloride	0.02	0.21	0.02	0.00086	U	0.051	U	0.0009	U	0.00094	U	0.0012	U	0.00091	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.00086	U	0.077	J	0.0009	U	0.00094	U	0.0012	U	0.00091	U	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)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID				WC-10				WC-11		WC-12				WC-13					
LOCATION	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-25		SB-25		SB-28		SB-08		SB-08		SB-26		SB-26		SB-26	
LAB SAMPLE ID				L2246011-23		L224601-25		L2246011-05		L2244887-36		L2244887-38		L2246011-09		L2246011-11		L2246011-13	
DATE				8/25/2022		8/25/2022		8/24/2022		8/19/2022		8/19/2022		8/24/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				2		5		1		2		7		1		6		9	
				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	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00025	J	0.00056	U	0.16		0.0088		0.0007		0.00066	U	0.00065	U	0.00055	U
1,1,2,2-Tetrachloroethane	-	-	-	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
1,1,2-Trichloroethane	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,1-Dichloroethane	0.27	19	0.27	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,1-Dichloroethene	0.33	100	0.33	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,1-Dichloropropene	-	-	-	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
1,2,3-Trichlorobenzene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2,3-Trichloropropane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2,4-Trichlorobenzene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2-Dibromo-3-chloropropane	-	-	-	0.0031	U	0.0034	U	0.15	U	0.0028	U	0.0031	U	0.004	U	0.0039	U	0.0033	U
1,2-Dibromoethane	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,2-Dichlorobenzene	1.1	100	1.1	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,2-Dichloroethane	0.02	2.3	0.02	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,2-Dichloroethene, Total	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,2-Dichloropropane	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,3-Dichlorobenzene	2.4	17	2.4	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,3-Dichloropropane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,3-Dichloropropene, Total	-	-	-	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
1,4-Dioxane	0.1	9.8	0.1	0.083	U	0.09	U	4	U	0.076	U	0.084	U	0.11	U	0.1	U	0.088	U
2,2-Dichloropropane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
2-Butanone	0.12	100	0.12	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.003	J	0.011	U
2-Hexanone	-	-	-	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.013	U	0.011	U
4-Methyl-2-pentanone	-	-	-	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.013	U	0.011	U
Acetone	0.05	100	0.05	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.012	J	0.011	U
Acrylonitrile	-	-	-	0.0041	U	0.0045	U	0.2	U	0.0038	U	0.0042	U	0.0053	U	0.0052	U	0.0044	U
Benzene	0.06	2.9	0.06	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
Bromobenzene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Bromochloromethane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Bromodichloromethane	-	-	-	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
Bromoform	-	-	-	0.0041	U	0.0045	U	0.2	U	0.0038	U	0.0042	U	0.0053	U	0.0052	U	0.0044	U
Bromomethane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Carbon disulfide	-	-	-	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.013	U	0.011	U
Carbon tetrachloride	0.76	1.4	0.76	0.001	U	0.0011	U	0.02	J	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Chlorobenzene	1.1	100	1.1	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
Chloroethane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Chloroform	0.37	10	0.37	0.0016	U	0.0017	U	0.076	U	0.0014	U	0.0016	U	0.002	U	0.002	U	0.0016	U
Chloromethane	-	-	-	0.0041	U	0.0045	U	0.2	U	0.0038	U	0.0042	U	0.0053	U	0.0052	U	0.0044	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
cis-1,3-Dichloropropene	-	-	-	0.00052	U	0.00056	U	0.025	U	0.00047	U	0.00052	U	0.00066	U	0.00065	U	0.00055	U
Dibromochloromethane	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Dibromomethane	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Dichlorodifluoromethane	-	-	-	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.013	U	0.011	U
Ethyl ether	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Ethylbenzene	1	30	1	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Hexachlorobutadiene	-	-	-	0.0041	U	0.0045	U	0.2	U	0.0038	U	0.0042	U	0.0053	U	0.0052	U	0.0044	U
Isopropylbenzene	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Methylene chloride	0.05	51	0.05	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Methyl tert butyl ether	0.93	62	0.93	0.0052	U	0.0056	U	0.25	U	0.0047	U	0.0052	U	0.0066	U	0.0065	U	0.0055	U
Naphthalene	12	100	12	0.0041	U	0.0045	U	0.2	U	0.00095	U	0.001	U	0.00091	J	0.0052	J	0.0044	U
n-Butylbenzene	12	100	12	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
n-Propylbenzene	3.9	100	3.9	0.001	U	0.0011	U	0.05	U	0.0038	U	0.0042	U	0.0013	U	0.0013	U	0.0011	U
o-Chlorotoluene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
o-Xylene	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
p/m-Xylene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
p-Chlorotoluene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
p-Diethylbenzene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
p-Ethyltoluene	-	-	-	0.0021	U	0.0022	U	0.1	U	0.00095	U	0.001	U	0.0026	U	0.0026	U	0.0022	U
p-Isopropyltoluene	-	-	-	0.001	U	0.0011	U	0.05	U	0.0019	U	0.0021	U	0.0013	U	0.0013	U	0.0011	U
sec-Butylbenzene	11	100	11	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Styrene	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
tert-Butylbenzene	5.9	100	5.9	0.0021	U	0.0022	U	0.1	U	0.0019	U	0.0021	U	0.0026	U	0.0026	U	0.0022	U
Tetrachloroethene	1.3	5.5	1.3	0.00052	U	0.00056	U	**2.3**		0.0059		0.0021		0.00066	U	0.00065	U	0.00055	U
Toluene	0.7	100	0.7	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0016	U	0.0017	U	0.076	U	0.0014	U	0.0016	U	0.002	U	0.002	U	0.0016	U
trans-1,3-Dichloropropene	-	-	-	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0052	U	0.0056	U	0.25	U	0.0047	U	0.0052	U	0.0066	U	0.0065	U	0.0055	U
Trichloroethene	0.47	10	0.47	0.00052	U	0.00056	U	0.19		0.00076		0.00014	J	0.00066	U	0.00065	U	0.00055	U
Trichlorofluoromethane	-	-	-	0.0041	U	0.0045	U	0.2	U	0.0038	U	0.0042	U	0.0053	U	0.0052	U	0.0044	U
Vinyl acetate	-	-	-	0.01	U	0.011	U	0.5	U	0.0095	U	0.01	U	0.013	U	0.013	U	0.011	U
Vinyl chloride	0.02	0.21	0.02	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	U	0.0011	U
Xylenes, Total	0.26	100	1.6	0.001	U	0.0011	U	0.05	U	0.00095	U	0.001	U	0.0013	U	0.0013	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)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 2 - Volatile Organic Compounds in Soil

101 East 150th Street
Bronx, New York

WASTE CHARACTERIZATION GRID	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-14				WC-15				WC-16		WC-17	
LOCATION				SB-27		SB-27		SB-07		SB-07		SB-30 (WC-16)		SB-32 (WC-17)	
LAB SAMPLE ID				L2244887-19		L2244887-21		L2245374-27		L2245374-29		L2249841-01		L2249841-03	
DATE				8/18/2022		8/18/2022		8/23/2022		8/23/2022		9/13/2022		9/13/2022	
SAMPLE DEPTH (ft.)				2		7		1		5		11		10	
				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	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
1,1,1-Trichloroethane	0.68	100	0.68	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00035	J	0.0015	
1,1,2,2-Tetrachloroethane	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
1,1,2-Trichloroethane	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,1-Dichloroethane	0.27	19	0.27	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,1-Dichloroethene	0.33	100	0.33	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,1-Dichloropropene	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
1,2,3-Trichlorobenzene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2,3-Trichloropropane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2,4,5-Tetramethylbenzene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2,4-Trichlorobenzene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2,4-Trimethylbenzene	3.6	47	3.6	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2-Dibromo-3-chloropropane	-	-	-	0.003	U	0.0032	U	0.0028	U	0.0028	U	0.0036	U	0.0031	U
1,2-Dibromoethane	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,2-Dichlorobenzene	1.1	100	1.1	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,2-Dichloroethane	0.02	2.3	0.02	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,2-Dichloroethene, Total	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.00081	J	0.001	U
1,2-Dichloropropane	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
1,3,5-Trimethylbenzene	8.4	47	8.4	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,3-Dichlorobenzene	2.4	17	2.4	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,3-Dichloropropane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,3-Dichloropropene, Total	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
1,4-Dioxane	0.1	9.8	0.1	0.079	U	0.086	U	0.076	U	0.075	U	0.097	U	0.082	U
2,2-Dichloropropane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
2-Butanone	0.12	100	0.12	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
2-Hexanone	-	-	-	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
4-Methyl-2-pentanone	-	-	-	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
Acetone	0.05	100	0.05	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
Acrylonitrile	-	-	-	0.004	U	0.0043	U	0.0038	U	0.0038	U	0.0049	U	0.0041	U
Benzene	0.06	2.9	0.06	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
Bromobenzene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Bromochloromethane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Bromodichloromethane	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
Bromoform	-	-	-	0.004	U	0.0043	U	0.0038	U	0.0038	U	0.0049	U	0.0041	U
Bromomethane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Carbon disulfide	-	-	-	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
Carbon tetrachloride	0.76	1.4	0.76	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Chlorobenzene	1.1	100	1.1	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
Chloroethane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Chloroform	0.37	10	0.37	0.0015	U	0.0016	U	0.0014	U	0.0014	U	0.0018	U	0.0015	U
Chloromethane	-	-	-	0.004	U	0.0043	U	0.0038	U	0.0038	U	0.0049	U	0.0041	U
cis-1,2-Dichloroethene	0.25	59	0.25	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.00081	J	0.001	U
cis-1,3-Dichloropropene	-	-	-	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00061	U	0.00051	U
Dibromochloromethane	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Dibromomethane	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Dichlorodifluoromethane	-	-	-	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
Ethyl ether	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Ethylbenzene	1	30	1	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Hexachlorobutadiene	-	-	-	0.004	U	0.0043	U	0.0038	U	0.0038	U	0.0049	U	0.0041	U
Isopropylbenzene	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Methylene chloride	0.05	51	0.05	0.002	U	0.0021	U	0.0047	U	0.0047	U	0.0024	U	0.002	U
Methyl tert butyl ether	0.93	62	0.93	0.0049	U	0.0054	U	0.0019	U	0.0019	U	0.0061	U	0.0051	U
Naphthalene	12	100	12	0.00099	U	0.0011	U	0.0038	U	0.0038	U	0.0012	U	0.001	U
n-Butylbenzene	12	100	12	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
n-Propylbenzene	3.9	100	3.9	0.004	U	0.0043	U	0.00095	U	0.00094	U	0.0049	U	0.0041	U
o-Chlorotoluene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
o-Xylene	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
p/m-Xylene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
p-Chlorotoluene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
p-Diethylbenzene	-	-	-	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
p-Ethyltoluene	-	-	-	0.00099	U	0.0011	U	0.0019	U	0.0019	U	0.0012	U	0.001	U
p-Isopropyltoluene	-	-	-	0.002	U	0.0021	U	0.00095	U	0.00094	U	0.0024	U	0.002	U
sec-Butylbenzene	11	100	11	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Styrene	-	-	-	0.00099	U	0.00065	J	0.00095	U	0.00094	U	0.0012	U	0.001	U
tert-Butylbenzene	5.9	100	5.9	0.002	U	0.0021	U	0.0019	U	0.0019	U	0.0024	U	0.002	U
Tetrachloroethene	1.3	5.5	1.3	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.00095		0.00053	
Toluene	0.7	100	0.7	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
trans-1,2-Dichloroethene	0.19	100	0.19	0.0015	U	0.0016	U	0.0014	U	0.0014	U	0.0018	U	0.0015	U
trans-1,3-Dichloropropene	-	-	-	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
trans-1,4-Dichloro-2-butene	-	-	-	0.0049	U	0.0054	U	0.0047	U	0.0047	U	0.0061	U	0.0051	U
Trichloroethene	0.47	10	0.47	0.00049	U	0.00054	U	0.00047	U	0.00047	U	0.0026		0.00051	U
Trichlorofluoromethane	-	-	-	0.004	U	0.0043	U	0.0038	U	0.0038	U	0.0049	U	0.0041	U
Vinyl acetate	-	-	-	0.0099	U	0.011	U	0.0095	U	0.0094	U	0.012	U	0.01	U
Vinyl chloride	0.02	0.21	0.02	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	0.001	U
Xylenes, Total	0.26	100	1.6	0.00099	U	0.0011	U	0.00095	U	0.00094	U	0.0012	U	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)

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use and Protection of Groundwater Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Protection of Groundwater, and Residential Use Soil Cleanup Objectives.

Table 3 - Semi-Volatile Organic Compounds in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-01															
Location				SB-10		SB-10		SB-12		SB-12		SB-13		SB-13		SB-15		SB-15	
LAB SAMPLE ID				L2243951-16		L2243951-18		L2243951-28		L2243951-30		L2243951-38		L2243951-40		L2243951-42		L2243951-44	
DATE				8/16/2022		8/16/2022		8/16/2022		8/16/2022		8/17/2022		8/17/2022		8/17/2022		8/17/2022	
SAMPLE DEPTH (ft.)				0-2		3-5		0-2		3-5		0-2		3-5		0-2		3-5	
				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	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
1,4-Dioxane	0.1	9.8	0.1	0.027	U	0.027	U	0.027	U	0.028	U	0.027	U	0.029	U	0.026	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	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	0.11	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.86	U	0.87	U	0.86	U	0.91	U	0.87	U	0.92	U	0.85	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.024	J	0.22	U	0.21	U	0.23	U	0.22	U	0.23	U	0.21	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.39	U	0.39	U	0.39	U	0.41	U	0.39	U	0.41	U	0.38	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.26	U	0.26	U	0.27	U	0.26	U	0.28	U	0.25	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.47	U	0.46	U	0.49	U	0.47	U	0.5	U	0.46	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.25	U	0.25	U	0.25	U	0.26	U	0.25	U	0.27	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Acenaphthylene	100	100	107	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	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	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.045	J	0.11	U	0.15		0.11	U	0.11	U	0.11	U	0.052	J	0.11	U
Benzo(a)pyrene	1	1	22	0.045	J	0.14	U	0.16		0.15	U	0.14	U	0.15	U	0.057	J	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.058	J	0.11	U	0.19		0.11	U	0.11	U	0.11	U	0.071	J	0.11	U
Benzo(ghi)perylene	100	100	1000	0.034	J	0.14	U	0.1	J	0.15	U	0.14	U	0.15	U	0.037	J	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	0.11	U	0.11	U	0.067	J	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.58	U	0.58	U	0.61	U	0.58	U	0.62	U	0.57	U	0.61	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.41	U	0.41	U	0.41	U	0.43	U	0.41	U	0.44	U	0.4	U	0.43	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.19	U	0.19	U	0.2	U	0.2	U	0.21	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.22	U	0.21	U	0.23	U	0.22	U	0.23	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Carbazole	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Chrysene	1	1	1	0.048	J	0.11	U	0.16		0.11	U	0.11	U	0.11	U	0.054	J	0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Dibenzofuran	7	14	210	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Diethyl phthalate	--	--	--	0.11	U	0.11	U	0.024	J	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	0.057	J	0.023	J	0.28		0.11	U	0.11	U	0.11	U	0.13		0.11	U
Fluorene	30	100	386	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Hexachlorobenzene	0.33	0.33	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	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.52	U	0.51	U	0.54	U	0.52	U	0.55	U	0.5	U	0.54	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.027	J	0.14	U	0.11	J	0.15	U	0.14	U	0.15	U	0.041	J	0.15	U
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
Naphthalene	12	100	12	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
NDPA/DPA	--	--	--	0.026	J	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Nitrobenzene	--	--	--	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
n-Nitrosodi-n-propylamine	--	--	--	0.16	U	0.16	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.14	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	0.056	J	0.11	U	0.16		0.11	U	0.11	U	0.11	U	0.08	J	0.11	U
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U
Pyrene	100	100	1000	0.055	J	0.025	J	0.26		0.11	U	0.11	U	0.11	U	0.12		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

	Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.
	Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.
	Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Table 3 - Semi-Volatile Organic Compounds in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid				WC-02															
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-09		SB-09		SB-11		SB-11		SB-14		SB-14		SB-16		SB-16	
LAB SAMPLE ID				L2243951-02		L2243951-04		L2243951-21		L2243951-23		L2243951-06		L2243951-08		L2243951-26		L2243951-32	
DATE				8/15/2022		8/15/2022		8/16/2022		8/16/2022		8/15/2022		8/15/2022		8/16/2022		8/16/2022	
SAMPLE DEPTH (ft.)				0-2		5-7		0-2		3-5		0-2		4-6		0-2		3-5	
				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	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
1,4-Dioxane	0.1	9.8	0.1	0.027	U	0.03	U	0.027	U	0.028	U	0.027	U	0.028	U	0.026	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.12	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	0.18	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.86	U	0.95	U	0.86	U	0.9	U	0.87	U	0.91	U	0.85	U	0.89	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.24	U	0.22	U	0.23	U	0.22	U	0.034	J	0.022	J	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.39	U	0.43	U	0.39	U	0.41	U	0.39	U	0.41	U	0.38	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.28	U	0.26	U	0.27	U	0.26	U	0.27	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.47	U	0.52	U	0.47	U	0.49	U	0.47	U	0.5	U	0.46	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.28	U	0.25	U	0.26	U	0.25	U	0.27	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.14	U	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Acenaphthylene	100	100	107	0.14	U	0.16	U	0.14	U	0.15	U	0.14	U	0.044	J	0.036	J	0.15	U
Acetophenone	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.043	J	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.074	J	0.12	U	0.072	J	0.11	U	0.041	J	0.11		0.17		0.11	U
Benzo(a)pyrene	1	1	22	0.089	J	0.16	U	0.087	J	0.15	U	0.05	J	0.11	J	0.17		0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.11		0.12	U	0.092	J	0.11	U	0.058	J	0.098	J	0.18		0.11	U
Benzo(ghi)perylene	100	100	1000	0.066	J	0.16	U	0.059	J	0.15	U	0.03	J	0.11	J	0.11	J	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	0.037	J	0.12	U	0.038	J	0.11	U	0.11	U	0.11	U	0.067	J	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.64	U	0.58	U	0.61	U	0.58	U	0.62	U	0.57	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.41	U	0.45	U	0.41	U	0.43	U	0.41	U	0.43	U	0.4	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.21	U	0.19	U	0.2	U	0.2	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.18	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.24	U	0.22	U	0.23	U	0.22	U	0.23	U	0.21	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Carbazole	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Chrysene	1	1	1	0.079	J	0.12	U	0.064	J	0.11	U	0.048	J	0.13		0.18		0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Dibenzofuran	7	14	210	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Diethyl phthalate	--	--	--	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.025	J	0.11	U
Dimethyl phthalate	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Di-n-butylphthalate	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Fluoranthene	100	100	1000	0.14		0.12	U	0.092	J	0.11	U	0.071	J	0.25		0.2		0.11	U
Fluorene	30	100	386	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.024	J	0.18	U	0.18	U
Hexachlorobenzene	0.33	0.33	3.2	0.11	U	0.12	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.57	U	0.51	U	0.54	U	0.52	U	0.54	U	0.51	U	0.53	U
Hexachloroethane	--	--	--	0.14	U	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.066	J	0.16	U	0.063	J	0.15	U	0.032	J	0.061	J	0.11	J	0.15	U
Isophorone	--	--	--	0.16	U	0.18	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
Naphthalene	12	100	12	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
NDPA/DPA	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.051	J	0.027	J	0.18	U
Nitrobenzene	--	--	--	0.14	U	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
n-Nitrosodi-n-propylamine	--	--	--	0.16	U	0.18	U	0.16	U	0.17	U	0.16	U	0.17	U	0.16	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.16	U	0.14	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	0.062	J	0.12	U	0.048	J	0.11	U	0.032	J	0.31		0.078	J	0.11	U
Phenol	0.33	100	0.33	0.18	U	0.2	U	0.18	U	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U
Pyrene	100	100	1000	0.14		0.12	U	0.089	J	0.11	U	0.07	J	0.56		0.25		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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Table 3 - Semi-Volatile Organic Compounds in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid				WC-03															
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-03		SB-03		SB-04		SB-04		SB-17		SB-17		SB-19		SB-19	
LAB SAMPLE ID				L2245374-12		L2245374-14		L2244887-55		L2245374-02		L2246011-30		L2246011-32		L2246011-36		L2246011-38	
DATE				8/22/2022		8/22/2022		8/22/2022		8/22/2022		8/25/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		1-3		4-7		1-3		4-5		1-3		4-7	
				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	0.18	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	0.18	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	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
1,3-Dichlorobenzene	2.4	17	2.4	0.19	U	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	9.8	1.8	0.19	U	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	9.8	0.1	0.028	U	0.028	U	0.028	U	0.028	U	0.027	U	0.028	U	0.027	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.19	U	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	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.17	U	0.16	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	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.9	U	0.88	U	0.9	U	0.88	U	0.86	U	0.88	U	0.86	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chloronaphthalene	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Chlorophenol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Methylnaphthalene	--	--	--	0.22	U	0.22	U	0.22	U	0.22	U	0.21	U	0.22	U	12	E	3.2	
2-Methylphenol	0.33	100	0.33	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
2-Nitrophenol	--	--	--	0.4	U	0.4	U	0.4	U	0.4	U	0.38	U	0.4	U	0.39	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.19	U	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	0.27	U	0.26	U	0.27	U	0.26	U	0.26	U	0.26	U	0.29		0.032	J
3-Nitroaniline	--	--	--	0.19	U	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	--	--	--	0.49	U	0.48	U	0.49	U	0.48	U	0.46	U	0.48	U	0.47	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Chloroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	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	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitroaniline	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
4-Nitrophenol	--	--	--	0.26	U	0.26	U	0.26	U	0.26	U	0.25	U	0.26	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.15		0.15	U	0.15		0.15	U	0.03	J	0.15	U	0.94		0.32	
Acenaphthylene	100	100	107	0.15	U	0.15	U	0.15	U	0.15	U	0.1	J	0.15	U	0.14	U	0.15	U
Acetophenone	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.21	
Anthracene	100	100	1000	0.19		0.11	U	0.19		0.11	U	0.09	J	0.11	U	1.1		0.22	
Benzo(a)anthracene	1	1	1	0.45		0.11	U	0.45		0.11	U	0.36		0.11	U	**3.6**		0.66	
Benzo(a)pyrene	1	1	22	0.45		0.15	U	0.45		0.15	U	0.38		0.15	U	**3.7**		0.52	
Benzo(b)fluoranthene	1	1	1.7	0.51		0.11	U	0.51		0.11	U	0.44		0.11	U	**5**		0.68	
Benzo(ghi)perylene	100	100	1000	0.26		0.15	U	0.26		0.15	U	0.29		0.15	U	2.4		0.34	
Benzo(k)fluoranthene	0.8	1	1.7	0.18		0.11	U	0.18		0.11	U	0.14		0.11	U	**1.3**		0.25	
Benzoic Acid	--	--	--	0.61	U	0.59	U	0.61	U	0.59	U	0.58	U	0.6	U	0.58	U	0.59	U
Benzyl Alcohol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Biphenyl	--	--	--	0.43	U	0.42	U	0.43	U	0.42	U	0.41	U	0.42	U	1.5		0.4	J
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.2	U	0.2	U	0.2	U	0.19	U	0.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	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	0.22	U	0.22	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	0.18	U	0.18	U	0.18	U	3		0.18	U
Butyl benzyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Carbazole	--	--	--	0.087	J	0.18	U	0.087	J	0.18	U	0.05	J	0.18	U	0.43		0.087	J
Chrysene	1	1	1	0.41		0.11	U	0.41		0.11	U	0.37		0.11	U	**3.8**		0.67	
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.06	J	0.11	U	0.06	J	0.11	U	0.058	J	0.11	U	**0.53**		0.074	J
Dibenzofuran	7	14	210	0.054	J	0.18	U	0.054	J	0.18	U	0.019	J	0.18	U	0.18	U	0.34	
Diethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Dimethyl phthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-butylphthalate	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Di-n-octylphthalate	--	--	--	0.19	U	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	0.98		0.029	J	0.98		0.029	J	0.61		0.11	U	6.8		1.5	
Fluorene	30	100	386	0.082	J	0.18	U	0.082	J	0.18	U	0.028	J	0.18	U	1.6		0.56	
Hexachlorobenzene	0.33	0.33	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	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.54	U	0.52	U	0.54	U	0.52	U	0.51	U	0.52	U	0.51	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	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.28		0.15	U	0.28		0.15	U	0.27		0.15	U	**2.8**		0.37	
Isophorone	--	--	--	0.17	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	12	100	12	0.065	J	0.18	U	0.065	J	0.18	U	0.031	J	0.18	U	2.7		0.42	
NDPA/DPA	--	--	--	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.17	U	0.16	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	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
p-Chloro-m-cresol	--	--	--	0.19	U	0.18	U	0.19	U	0.18	U	0.18	U	0.18	U	0.18	U	0.18	U
Pentachlorophenol	0.8	2.4	0.8	0.15	U	0.15	U	0.15	U	0.15	U	0.14	U	0.15	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	0.77		0.11	U	0.77		0.11	U	0.34		0.11	U	5.7		1.6	
Phenol	0.33	100	0.33	0.19	U	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	0.84		0.029	J	0.84		0.029	J	0.58		0.11	U	6.9		1.4	

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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-04											
Location				SB-18		SB-18		SB-18		SB-20		SB-20		SB-20	
LAB SAMPLE ID				L2244887-14		L2244887-16		L2244887-18		L2243951-50		L2243951-52		L2243951-54	
DATE				8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022	
SAMPLE DEPTH (ft.)				0-2		2-4		4-6		0-2		3-6		7-9	
				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	0.93	U	0.22	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
1,4-Dioxane	0.1	9.8	0.1	0.027	U	0.027	U	0.027	U	0.14	U	0.033	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.16	U	0.16	U	0.84	U	0.2	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2,4-Dinitrophenol	--	--	--	0.85	U	0.85	U	0.87	U	4.4	U	1.1	U	0.88	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2-Methylnaphthalene	--	--	--	0.21	U	0.21	U	0.22	U	1.1	U	0.27	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
2-Nitrophenol	--	--	--	0.38	U	0.38	U	0.39	U	2	U	0.48	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.26	U	0.26	U	1.3	U	0.32	U	0.26	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	0.46	U	0.46	U	0.47	U	2.4	U	0.58	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
4-Nitrophenol	--	--	--	0.25	U	0.25	U	0.25	U	1.3	U	0.31	U	0.26	U
Acenaphthene	20	100	98	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Acenaphthylene	100	100	107	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.078	J
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Anthracene	100	100	1000	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Benzo(a)anthracene	1	1	1	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Benzo(a)pyrene	1	1	22	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.11	U	0.11	U	0.11	U	0.19	J	0.13	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Benzoic Acid	--	--	--	0.57	U	0.58	U	0.58	U	3	U	0.72	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Biphenyl	--	--	--	0.4	U	0.4	U	0.41	U	2.1	U	0.5	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.19	U	0.19	U	1	U	0.24	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.16	U	0.16	U	0.84	U	0.2	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.21	U	0.22	U	1.1	U	0.27	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.18	U	1		0.22	U	0.065	J
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Carbazole	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Chrysene	1	1	1	0.11	U	0.11	U	0.11	U	0.12	J	0.13	U	0.02	J
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Dibenzofuran	7	14	210	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Diethyl phthalate	--	--	--	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Fluoranthene	100	100	1000	0.11	U	0.11	U	0.11	U	0.12	J	0.13	U	0.11	U
Fluorene	30	100	386	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Hexachlorobenzene	0.33	0.33	3.2	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	0.51	U	0.51	U	0.52	U	2.6	U	0.63	U	0.52	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Isophorone	--	--	--	0.16	U	0.16	U	0.16	U	0.84	U	0.2	U	0.16	U
Naphthalene	12	100	12	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
NDPA/DPA	--	--	--	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Nitrobenzene	--	--	--	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
n-Nitrosodi-n-propylamine	--	--	--	0.16	U	0.16	U	0.16	U	0.84	U	0.2	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	2.1		0.22	U	0.18	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.14	U	0.14	U	0.74	U	0.18	U	0.15	U
Phenanthrene	100	100	1000	0.11	U	0.11	U	0.11	U	0.56	U	0.13	U	0.11	U
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.93	U	0.22	U	0.18	U
Pyrene	100	100	1000	0.11	U	0.11	U	0.11	U	0.19	J	0.13	U	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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-05											
Location				SB-21		SB-21		SB-21		SB-29		SB-29		SB-29	
LAB SAMPLE ID				L2244887-02		L2244887-04		L2244887-06		L2246011-42		L2246011-44		L2246011-46	
DATE				8/18/2022		8/18/2022		8/18/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				0-2		3-6		7-9		1-3		4-7		7-9	
				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	0.2	U	1.7	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
1,4-Dioxane	0.1	9.8	0.1	0.027	U	0.026	U	0.029	U	0.26	U	0.027	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.12	U	1	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.16	U	0.15	U	0.18	U	1.6	U	0.16	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.86	U	0.82	U	0.94	U	8.3	U	0.87	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.028	J	0.21	U	0.23	U	2.1	U	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.39	U	0.37	U	0.42	U	3.7	U	0.39	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.26	U	0.25	U	0.28	U	2.5	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.47	U	0.45	U	0.51	U	4.5	U	0.47	U	0.49	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.25	U	0.24	U	0.27	U	2.4	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.058	J	0.14	U	0.16	U	1.4	U	0.14	U	0.15	U
Acenaphthylene	100	100	107	0.082	J	0.14	U	0.16	U	1.4	U	0.14	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Anthracene	100	100	1000	0.18		0.1	U	0.12	U	1	U	0.11	U	0.11	U
Benzo(a)anthracene	1	1	1	0.65		0.1	U	0.12	U	0.42	J	0.11	U	0.11	U
Benzo(a)pyrene	1	1	22	0.6		0.14	U	0.16	U	0.44	J	0.14	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.66		0.1	U	0.12	U	0.47	J	0.11	U	0.11	U
Benzo(ghi)perylene	100	100	1000	0.41		0.14	U	0.16	U	0.37	J	0.14	U	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	0.26		0.1	U	0.12	U	1	U	0.11	U	0.11	U
Benzoic Acid	--	--	--	0.58	U	0.56	U	0.63	U	5.6	U	0.59	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.41	U	0.39	U	0.44	U	4	U	0.41	U	0.43	U
Bis(2-chloroethoxy)methane	--	--	--	0.19	U	0.18	U	0.21	U	1.9	U	0.2	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.16	U	0.15	U	0.18	U	1.6	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.23	U	2.1	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Carbazole	--	--	--	0.067	J	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Chrysene	1	1	1	0.62		0.1	U	0.12	U	0.42	J	0.11	U	0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.18	U	0.17	U	0.2	U	1	U	0.11	U	0.11	U
Dibenzofuran	7	14	210	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Diethyl phthalate	--	--	--	0.078	J	0.1	U	0.12	U	1.7	U	0.18	U	0.19	U
Dimethyl phthalate	--	--	--	0.041	J	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Di-n-butylphthalate	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	1.1		0.024	J	0.12	U	0.6	J	0.11	U	0.11	U
Fluorene	30	100	386	0.048	J	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Hexachlorobenzene	0.33	0.33	3.2	0.11	U	0.1	U	0.12	U	1	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.52	U	0.49	U	0.56	U	5	U	0.52	U	0.53	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.16	U	1.4	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.39		0.14	U	0.16	U	0.32	J	0.14	U	0.15	U
Isophorone	--	--	--	0.16	U	0.15	U	0.18	U	1.6	U	0.16	U	0.17	U
Naphthalene	12	100	12	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
NDPA/DPA	--	--	--	0.092	J	0.17	U	0.2	U	1.4	U	0.14	U	0.15	U
Nitrobenzene	--	--	--	0.14	U	0.14	U	0.16	U	1.6	U	0.16	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.16	U	0.15	U	0.18	U	1.7	U	0.18	U	0.19	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.14	U	0.16	U	1.4	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	0.8		0.1	U	0.12	U	0.38	J	0.11	U	0.11	U
Phenol	0.33	100	0.33	0.18	U	0.17	U	0.2	U	1.7	U	0.18	U	0.19	U
Pyrene	100	100	1000	1.1		0.024	J	0.12	U	0.61	J	0.11	U	0.019	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

	Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.
	Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.
	Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-06				WC-07						WC-08			
Location				SB-05		SB-05		SB-06		SB-06		SB-06		SB-23		SB-23	
LAB SAMPLE ID				L2244887-43		L2244887-45		L2245374-06		L2245374-08		L2245374-10		L2244887-08		L2244887-10	
DATE				8/19/2022		8/19/2022		8/22/2022		8/22/2022		8/22/2022		8/18/2022		8/18/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		0.5-2.5		3-7		7-9		0-2		4-7	
				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	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
1,2,4-Trichlorobenzene	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
1,2-Dichlorobenzene	1.1	100	1.1	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
1,3-Dichlorobenzene	2.4	17	2.4	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
1,4-Dioxane	0.1	9.8	0.1	0.13	U	0.13	U	0.028	U	0.027	U	0.026	U	0.14	U	0.027	U
2,4,5-Trichlorophenol	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2,4,6-Trichlorophenol	--	--	--	0.53	U	0.53	U	0.11	U	0.11	U	0.1	U	0.54	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.8	U	0.8	U	0.17	U	0.16	U	0.16	U	0.81	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2,4-Dinitrophenol	--	--	--	4.3	U	4.3	U	0.88	U	0.86	U	0.84	U	4.3	U	0.86	U
2,4-Dinitrotoluene	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2,6-Dinitrotoluene	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2-Chloronaphthalene	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2-Chlorophenol	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2-Methylnaphthalene	--	--	--	0.14	J	1.1	U	0.22	U	0.48		0.21	U	1.1	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2-Nitroaniline	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
2-Nitrophenol	--	--	--	1.9	U	1.9	U	0.4	U	0.38	U	0.38	U	2	U	0.39	U
3,3'-Dichlorobenzidine	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	1.3	U	1.3	U	0.26	U	0.26	U	0.25	U	1.3	U	0.26	U
3-Nitroaniline	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
4,6-Dinitro-o-cresol	--	--	--	2.3	U	2.3	U	0.48	U	0.46	U	0.46	U	2.3	U	0.47	U
4-Bromophenyl phenyl ether	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
4-Chloroaniline	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
4-Chlorophenyl phenyl ether	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
4-Nitroaniline	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
4-Nitrophenol	--	--	--	1.2	U	1.2	U	0.26	U	0.25	U	0.25	U	1.3	U	0.25	U
Acenaphthene	20	100	98	0.4	J	0.71	U	0.15	U	1.2		0.14	U	0.72	U	0.14	U
Acenaphthylene	100	100	107	0.63	J	0.71	U	0.15	U	0.15		0.14	U	0.72	U	0.14	U
Acetophenone	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Anthracene	100	100	1000	2		0.53	U	0.11	U	2.3		0.1	U	0.23	J	0.11	U
Benzo(a)anthracene	1	1	1	**11**		0.26	J	0.073	J	**5**		0.1	U	0.91		0.11	U
Benzo(a)pyrene	1	1	22	**11**		0.24	J	0.076	J	**3.9**		0.14	U	0.8		0.14	U
Benzo(b)fluoranthene	1	1	1.7	**11**		0.26	J	0.091	J	**4.1**		0.1	U	**1**		0.11	U
Benzo(ghi)perylene	100	100	1000	6.7		0.16	J	0.051	J	1.8		0.14	U	0.54	J	0.14	U
Benzo(k)fluoranthene	0.8	1	1.7	**4.9**		0.53	U	0.033	J	**1.3**		0.1	U	0.41	J	0.11	U
Benzoic Acid	--	--	--	2.9	U	2.9	U	0.6	U	0.58	U	0.57	U	2.9	U	0.58	U
Benzyl Alcohol	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Biphenyl	--	--	--	2	U	2	U	0.42	U	0.11	J	0.4	U	2.1	U	0.41	U
Bis(2-chloroethoxy)methane	--	--	--	0.96	U	0.96	U	0.2	U	0.19	U	0.19	U	0.98	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.8	U	0.8	U	0.17	U	0.16	U	0.16	U	0.81	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	1.1	U	1.1	U	0.22	U	0.21	U	0.21	U	1.1	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Butyl benzyl phthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Carbazole	--	--	--	0.45	J	0.89	U	0.18	U	0.56		0.18	U	0.16	J	0.18	U
Chrysene	1	1	1	**9.2**		0.24	J	0.069	J	**4.7**		0.1	U	0.94		0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	**1.5**		0.53	U	0.11	U	**0.45**		0.1	U	0.9	U	0.18	U
Dibenzofuran	7	14	210	0.31	J	0.89	U	0.18	U	0.67		0.18	U	0.9	U	0.18	U
Diethyl phthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.13	J	0.11	U
Dimethyl phthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Di-n-butylphthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Di-n-octylphthalate	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Fluoranthene	100	100	1000	18		0.47	J	0.11		9.3	E	0.1	U	1.7		0.11	U
Fluorene	30	100	386	0.31	J	0.89	U	0.18	U	1.4		0.18	U	0.9	U	0.18	U
Hexachlorobenzene	0.33	0.33	3.2	0.53	U	0.53	U	0.11	U	0.11	U	0.1	U	0.54	U	0.11	U
Hexachlorobutadiene	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Hexachlorocyclopentadiene	--	--	--	2.5	U	2.5	U	0.53	U	0.51	U	0.5	U	2.6	U	0.52	U
Hexachloroethane	--	--	--	0.71	U	0.71	U	0.15	U	0.14	U	0.14	U	0.72	U	0.14	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	**6**		0.13	J	0.049	J	**2.1**		0.14	U	0.42	J	0.14	U
Isophorone	--	--	--	0.8	U	0.8	U	0.17	U	0.16	U	0.16	U	0.81	U	0.16	U
Naphthalene	12	100	12	0.4	J	0.89	U	0.18	U	0.71		0.18	U	0.9	U	0.18	U
NDPA/DPA	--	--	--	0.71	U	0.71	U	0.15	U	0.14	U	0.14	U	0.9	U	0.18	U
Nitrobenzene	--	--	--	0.8	U	0.8	U	0.17	U	0.16	U	0.16	U	0.72	U	0.14	U
n-Nitrosodi-n-propylamine	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.81	U	0.16	U
p-Chloro-m-cresol	--	--	--	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Pentachlorophenol	0.8	2.4	0.8	0.71	U	0.71	U	0.15	U	0.14	U	0.14	U	0.72	U	0.14	U
Phenanthrene	100	100	1000	8		0.34	J	0.044	J	11	E	0.1	U	1.1		0.11	U
Phenol	0.33	100	0.33	0.89	U	0.89	U	0.18	U	0.18	U	0.18	U	0.9	U	0.18	U
Pyrene	100	100	1000	17		0.44	J	0.11		10	E	0.1	U	1.4		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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Waste Characterization Grid				WC-09										WC-10					
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-22		SB-22		SB-22		SB-24		SB-24		SB-25		SB-25		SB-25	
LAB SAMPLE ID				L2245374-42		L2245374-44		L2245374-46		L2245374-48		L2246011-02		L2246011-24		L2246011-26		L2246011-28	
DATE				8/24/2022		8/24/2022		8/24/2022		8/24/2022		8/24/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		7-9		1-3		4-7		1-3		4-7		7-9	
				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	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
1,3-Dichlorobenzene	2.4	17	2.4	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
1,4-Dioxane	0.1	9.8	0.1	0.028	U	0.026	U	0.026	U	0.028	U	0.027	U	0.31	U	0.027	U	0.028	U
2,4,5-Trichlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	1.2	U	0.11	U	0.11	U
2,4-Dichlorophenol	--	--	--	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	1.8	U	0.16	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2,4-Dinitrophenol	--	--	--	0.89	U	0.85	U	0.84	U	0.91	U	0.87	U	9.8	U	0.86	U	0.9	U
2,4-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2-Chloronaphthalene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2-Chlorophenol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2-Methylnaphthalene	--	--	--	0.075	J	0.064	J	0.21	U	0.072	J	0.22	U	1	J	0.22	U	0.22	U
2-Methylphenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
2-Nitrophenol	--	--	--	0.4	U	0.38	U	0.38	U	0.41	U	0.39	U	4.4	U	0.39	U	0.4	U
3,3'-Dichlorobenzidine	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.045	J	0.25	U	0.25	U	0.27	U	0.26	U	3	U	0.26	U	0.27	U
3-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	0.48	U	0.46	U	0.46	U	0.49	U	0.47	U	5.3	U	0.47	U	0.48	U
4-Bromophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
4-Chloroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
4-Nitroaniline	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
4-Nitrophenol	--	--	--	0.26	U	0.25	U	0.24	U	0.26	U	0.25	U	2.9	U	0.25	U	0.26	U
Acenaphthene	20	100	98	0.12	J	0.22		0.14	U	0.026	J	0.14	U	3.8		0.022	J	0.15	U
Acenaphthylene	100	100	107	0.4		0.12	J	0.14	U	0.062	J	0.14	U	0.57	J	0.14	U	0.15	U
Acetophenone	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Anthracene	100	100	1000	0.5		0.73		0.1	U	0.1	J	0.038	J	9.1		0.066	J	0.11	U
Benzo(a)anthracene	1	1	1	**3.2**		**2.4**		0.1	U	0.52		0.11		**17**		0.16		0.11	U
Benzo(a)pyrene	1	1	22	**3.7**		**2.9**		0.14	U	0.58		0.11	J	**13**		0.14		0.15	U
Benzo(b)fluoranthene	1	1	1.7	**4.3**		**3.1**		0.1	U	0.81		0.13		**14**		0.13		0.11	U
Benzo(ghi)perylene	100	100	1000	2.3		1.1		0.14	U	0.38		0.067	J	5.7		0.065	J	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	**1.3**		**0.94**		0.1	U	0.26		0.043	J	**4.1**		0.044	J	0.11	U
Benzoic Acid	--	--	--	0.6	U	0.57	U	0.57	U	0.61	U	0.59	U	6.6	U	0.58	U	0.6	U
Benzyl Alcohol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Biphenyl	--	--	--	0.028	J	0.028	J	0.4	U	0.43	U	0.41	U	0.37	J	0.41	U	0.42	U
Bis(2-chloroethoxy)methane	--	--	--	0.2	U	0.19	U	0.19	U	0.2	U	0.2	U	2.2	U	0.19	U	0.2	U
Bis(2-chloroethyl)ether	--	--	--	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	1.8	U	0.16	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	0.22	U	0.21	U	0.21	U	0.23	U	0.22	U	2.5	U	0.22	U	0.22	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.36		0.18	U	2	U	0.18	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Carbazole	--	--	--	0.21		0.19		0.18	U	0.048	J	0.18	U	1.1	J	0.018	J	0.19	U
Chrysene	1	1	1	**2.9**		**2.2**		0.1	U	0.6		0.11		**16**		0.16		0.11	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	**0.63**		0.29		0.1	U	0.1	J	0.11	U	**1.4**		0.11	U	0.11	U
Dibenzofuran	7	14	210	0.094	J	0.14	J	0.18	U	0.039	J	0.18	U	2.1		0.18	U	0.19	U
Diethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Dimethyl phthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Di-n-butylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.046	J	0.18	U	2	U	0.18	U	0.19	U
Di-n-octylphthalate	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Fluoranthene	100	100	1000	5.7		4.8		0.1	U	1.1		0.23		29		0.25		0.022	J
Fluorene	30	100	386	0.11	J	0.19		0.18	U	0.024	J	0.18	U	5		0.031	J	0.19	U
Hexachlorobenzene	0.33	0.33	3.2	0.11	U	0.1	U	0.1	U	0.11	U	0.11	U	1.2	U	0.11	U	0.11	U
Hexachlorobutadiene	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	0.53	U	0.5	U	0.5	U	0.54	U	0.52	U	5.9	U	0.51	U	0.53	U
Hexachloroethane	--	--	--	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	1.6	U	0.14	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	**2.1**		**1**		0.14	U	0.36		0.06	J	**6.8**		0.08	J	0.15	U
Isophorone	--	--	--	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	1.8	U	0.16	U	0.17	U
Naphthalene	12	100	12	0.24		0.14	J	0.18	U	0.093	J	0.18	U	0.86	J	0.18	U	0.19	U
NDPA/DPA	--	--	--	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	1.6	U	0.14	U	0.15	U
Nitrobenzene	--	--	--	0.17	U	0.16	U	0.16	U	0.17	U	0.16	U	1.8	U	0.16	U	0.17	U
n-Nitrosodi-n-propylamine	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
p-Chloro-m-cresol	--	--	--	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Pentachlorophenol	0.8	2.4	0.8	0.15	U	0.14	U	0.14	U	0.15	U	0.14	U	1.6	U	0.14	U	0.15	U
Phenanthrene	100	100	1000	1.9		2.8		0.1	U	0.56		0.15		38		0.24		0.039	J
Phenol	0.33	100	0.33	0.18	U	0.18	U	0.18	U	0.19	U	0.18	U	2	U	0.18	U	0.19	U
Pyrene	100	100	1000	5.7		4.4		0.1	U	0.97		0.21		31		0.28		0.024	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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Table 3 - Semi-Volatile Organic Compounds in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-11				WC-12				WC-13					
Location				SB-28		SB-28		SB-08		SB-08		SB-26		SB-26		SB-26	
LAB SAMPLE ID				L2246011-06		L2246011-08		L2244887-37		L2244887-39		L2246011-10		L2246011-12		L2246011-14	
DATE				8/24/2022		8/24/2022		8/19/2022		8/19/2022		8/24/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				1-3		8-10		1-3		4-7		1-3		4-7		8-10	
				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	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
1,2,4-Trichlorobenzene	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
1,2-Dichlorobenzene	1.1	100	1.1	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
1,3-Dichlorobenzene	2.4	17	2.4	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
1,4-Dioxane	0.1	9.8	0.1	0.026	U	0.026	U	0.028	U	0.027	U	0.027	U	0.026	U	0.026	U
2,4,5-Trichlorophenol	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2,4,6-Trichlorophenol	--	--	--	0.1	U	0.1	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	U
2,4-Dichlorophenol	--	--	--	0.15	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
2,4-Dimethylphenol	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2,4-Dinitrophenol	--	--	--	0.83	U	0.84	U	0.91	U	0.85	U	0.86	U	0.84	U	0.84	U
2,4-Dinitrotoluene	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2,6-Dinitrotoluene	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2-Chloronaphthalene	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2-Chlorophenol	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2-Methylnaphthalene	--	--	--	0.21	U	0.21	U	0.23	U	0.21	U	0.41		0.21	U	0.21	U
2-Methylphenol	0.33	100	0.33	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2-Nitroaniline	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
2-Nitrophenol	--	--	--	0.37	U	0.38	U	0.41	U	0.38	U	0.39	U	0.38	U	0.38	U
3,3'-Dichlorobenzidine	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	0.25	U	0.25	U	0.27	U	0.26	U	0.029	J	0.25	U	0.25	U
3-Nitroaniline	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
4,6-Dinitro-o-cresol	--	--	--	0.45	U	0.45	U	0.49	U	0.46	U	0.47	U	0.46	U	0.45	U
4-Bromophenyl phenyl ether	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
4-Chloroaniline	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
4-Chlorophenyl phenyl ether	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
4-Nitroaniline	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
4-Nitrophenol	--	--	--	0.24	U	0.24	U	0.26	U	0.25	U	0.25	U	0.25	U	0.24	U
Acenaphthene	20	100	98	0.14	U	0.14	U	0.15	U	0.025	J	1.3		0.14	U	0.14	U
Acenaphthylene	100	100	107	0.14	U	0.14	U	0.15	U	0.14	U	0.4		0.14	U	0.14	U
Acetophenone	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Anthracene	100	100	1000	0.1	U	0.1	U	0.11	U	0.069	J	2		0.1	U	0.1	U
Benzo(a)anthracene	1	1	1	0.16		0.1	U	0.041	J	0.18		**3.8**		0.026	J	0.1	U
Benzo(a)pyrene	1	1	22	0.18		0.14	U	0.049	J	0.15		**3.5**		0.14	U	0.14	U
Benzo(b)fluoranthene	1	1	1.7	0.22		0.1	U	0.055	J	0.16		**3.8**		0.033	J	0.1	U
Benzo(ghi)perylene	100	100	1000	0.11	J	0.14	U	0.029	J	0.085	J	2		0.14	U	0.14	U
Benzo(k)fluoranthene	0.8	1	1.7	0.072	J	0.1	U	0.11	U	0.071	J	**1.1**		0.1	U	0.1	U
Benzoic Acid	--	--	--	0.56	U	0.57	U	0.61	U	0.58	U	0.58	U	0.57	U	0.56	U
Benzyl Alcohol	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Biphenyl	--	--	--	0.39	U	0.4	U	0.43	U	0.4	U	0.12	J	0.4	U	0.4	U
Bis(2-chloroethoxy)methane	--	--	--	0.18	U	0.19	U	0.2	U	0.19	U	0.19	U	0.19	U	0.19	U
Bis(2-chloroethyl)ether	--	--	--	0.15	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
Bis(2-chloroisopropyl)ether	--	--	--	0.21	U	0.21	U	0.23	U	0.21	U	0.22	U	0.21	U	0.21	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Butyl benzyl phthalate	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Carbazole	--	--	--	0.17	U	0.17	U	0.19	U	0.027	J	0.58		0.18	U	0.17	U
Chrysene	1	1	1	0.16		0.1	U	0.047	J	0.17		**3.5**		0.024	J	0.1	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.03	J	0.1	U	0.19	U	0.18	U	**0.39**		0.1	U	0.1	U
Dibenzofuran	7	14	210	0.17	U	0.17	U	0.19	U	0.18	U	0.53		0.18	U	0.17	U
Diethyl phthalate	--	--	--	0.17	U	0.17	U	0.11	U	0.02	J	0.18	U	0.18	U	0.17	U
Dimethyl phthalate	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Di-n-butylphthalate	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Di-n-octylphthalate	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Fluoranthene	100	100	1000	0.29		0.1	U	0.057	J	0.43		7.9	E	0.032	J	0.1	U
Fluorene	30	100	386	0.17	U	0.17	U	0.19	U	0.023	J	1.1		0.18	U	0.17	U
Hexachlorobenzene	0.33	0.33	3.2	0.1	U	0.1	U	0.11	U	0.11	U	0.11	U	0.1	U	0.1	U
Hexachlorobutadiene	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Hexachlorocyclopentadiene	--	--	--	0.49	U	0.5	U	0.54	U	0.51	U	0.51	U	0.5	U	0.5	U
Hexachloroethane	--	--	--	0.14	U	0.14	U	0.15	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	0.1	J	0.14	U	0.029	J	0.078	J	**2.1**		0.14	U	0.14	U
Isophorone	--	--	--	0.15	U	0.16	U	0.17	U	0.16	U	0.16	U	0.16	U	0.16	U
Naphthalene	12	100	12	0.17	U	0.17	U	0.19	U	0.18	U	0.55		0.18	U	0.17	U
NDPA/DPA	--	--	--	0.14	U	0.14	U	0.19	U	0.18	U	0.14	U	0.14	U	0.14	U
Nitrobenzene	--	--	--	0.15	U	0.16	U	0.15	U	0.14	U	0.16	U	0.16	U	0.16	U
n-Nitrosodi-n-propylamine	--	--	--	0.17	U	0.17	U	0.17	U	0.16	U	0.18	U	0.18	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Pentachlorophenol	0.8	2.4	0.8	0.14	U	0.14	U	0.15	U	0.14	U	0.14	U	0.14	U	0.14	U
Phenanthrene	100	100	1000	0.12		0.1	U	0.024	J	0.37		8.3	E	0.1	U	0.1	U
Phenol	0.33	100	0.33	0.17	U	0.17	U	0.19	U	0.18	U	0.18	U	0.18	U	0.17	U
Pyrene	100	100	1000	0.28		0.1	U	0.058	J	0.38		8.2	E	0.03	J	0.1	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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-14				WC-15						WC-16		WC-17	
Location				SB-27		SB-27		SB-07		SB-07		SB-07		SB-30 and SB-31		SB-32 ans SB-33	
LAB SAMPLE ID				L2244887-20		L2244887-22		L2245374-28		L2245374-30		L2245374-32		L2249841-02		L2249841-04	
DATE				8/18/2022		8/18/2022		8/23/2022		8/23/2022		8/23/2022		9/13/2022		9/13/2022	
SAMPLE DEPTH (ft.)				0-2		3-7		1-3		4-7		7-9		8-12.5		8-13	
				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	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
1,2,4-Trichlorobenzene	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
1,2-Dichlorobenzene	1.1	100	1.1	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
1,3-Dichlorobenzene	2.4	17	2.4	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
1,4-Dichlorobenzene	1.8	9.8	1.8	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
1,4-Dioxane	0.1	9.8	0.1	0.13	U	0.026	U	0.026	U	0.028	U	0.026	U	0.033	U	0.029	U
2,4,5-Trichlorophenol	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2,4,6-Trichlorophenol	--	--	--	0.51	U	0.1	U	0.1	U	0.11	U	0.1	U	0.13	U	0.12	U
2,4-Dichlorophenol	--	--	--	0.76	U	0.15	U	0.16	U	0.17	U	0.16	U	0.2	U	0.17	U
2,4-Dimethylphenol	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2,4-Dinitrophenol	--	--	--	4.1	U	0.82	U	0.84	U	0.9	U	0.83	U	1.1	U	0.92	U
2,4-Dinitrotoluene	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2,6-Dinitrotoluene	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2-Chloronaphthalene	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2-Chlorophenol	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2-Methylnaphthalene	--	--	--	1	U	0.2	U	0.21	U	0.22	U	0.21	U	0.27	U	0.23	U
2-Methylphenol	0.33	100	0.33	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2-Nitroaniline	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
2-Nitrophenol	--	--	--	1.8	U	0.37	U	0.38	U	0.41	U	0.38	U	0.48	U	0.42	U
3,3'-Dichlorobenzidine	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
3-Methylphenol/4-Methylphenol	0.33	34	0.33	1.2	U	0.25	U	0.25	U	0.27	U	0.25	U	0.32	U	0.28	U
3-Nitroaniline	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
4,6-Dinitro-o-cresol	--	--	--	2.2	U	0.44	U	0.46	U	0.49	U	0.45	U	0.58	U	0.5	U
4-Bromophenyl phenyl ether	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
4-Chloroaniline	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
4-Chlorophenyl phenyl ether	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
4-Nitroaniline	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
4-Nitrophenol	--	--	--	1.2	U	0.24	U	0.24	U	0.26	U	0.24	U	0.31	U	0.27	U
Acenaphthene	20	100	98	0.68	U	0.14	U	0.02	J	0.15	U	0.14	U	0.18	U	0.15	U
Acenaphthylene	100	100	107	0.68	U	0.14	U	0.042	J	0.15	U	0.14	U	0.18	U	0.15	U
Acetophenone	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Anthracene	100	100	1000	0.21	J	0.1	U	0.069	J	0.11	U	0.1	U	0.13	U	0.12	U
Benzo(a)anthracene	1	1	1	0.71		0.06	J	0.4		0.058	J	0.1	U	0.026	J	0.12	U
Benzo(a)pyrene	1	1	22	0.68		0.057	J	0.33		0.05	J	0.14	U	0.18	U	0.15	U
Benzo(b)fluoranthene	1	1	1.7	0.78		0.066	J	0.43		0.069	J	0.1	U	0.13	U	0.12	U
Benzo(ghi)perylene	100	100	1000	0.43	J	0.036	J	0.14		0.027	J	0.14	U	0.18	U	0.15	U
Benzo(k)fluoranthene	0.8	1	1.7	0.29	J	0.1	U	0.16		0.11	U	0.1	U	0.13	U	0.12	U
Benzoic Acid	--	--	--	2.8	U	0.55	U	0.57	U	0.61	U	0.56	U	0.72	U	0.62	U
Benzyl Alcohol	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Biphenyl	--	--	--	1.9	U	0.39	U	0.4	U	0.43	U	0.4	U	0.51	U	0.44	U
Bis(2-chloroethoxy)methane	--	--	--	0.92	U	0.18	U	0.19	U	0.2	U	0.19	U	0.24	U	0.21	U
Bis(2-chloroethyl)ether	--	--	--	0.76	U	0.15	U	0.16	U	0.17	U	0.16	U	0.2	U	0.17	U
Bis(2-chloroisopropyl)ether	--	--	--	1	U	0.2	U	0.21	U	0.22	U	0.21	U	0.27	U	0.23	U
Bis(2-ethylhexyl)phthalate	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Butyl benzyl phthalate	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Carbazole	--	--	--	0.85	U	0.17	U	0.019	J	0.19	U	0.17	U	0.22	U	0.19	U
Chrysene	1	1	1	0.8		0.06	J	0.39		0.072	J	0.1	U	0.025	J	0.12	U
Dibenzo(a,h)anthracene	0.33	0.33	1000	0.85	U	0.17	U	0.04	J	0.11	U	0.1	U	0.22	U	0.19	U
Dibenzofuran	7	14	210	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Diethyl phthalate	--	--	--	0.11	J	0.1	U	0.18	U	0.19	U	0.17	U	0.13	U	0.12	U
Dimethyl phthalate	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Di-n-butylphthalate	--	--	--	0.85	U	0.17	U	0.033	J	0.19	U	0.17	U	0.22	U	0.19	U
Di-n-octylphthalate	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Fluoranthene	100	100	1000	1.4		0.11		0.69		0.12		0.1	U	0.042	J	0.12	U
Fluorene	30	100	386	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Hexachlorobenzene	0.33	0.33	3.2	0.51	U	0.1	U	0.1	U	0.11	U	0.1	U	0.13	U	0.12	U
Hexachlorobutadiene	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Hexachlorocyclopentadiene	--	--	--	2.4	U	0.49	U	0.5	U	0.54	U	0.5	U	0.64	U	0.55	U
Hexachloroethane	--	--	--	0.68	U	0.14	U	0.14	U	0.15	U	0.14	U	0.18	U	0.15	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	8.2	0.42	J	0.038	J	0.17		0.031	J	0.14	U	0.18	U	0.15	U
Isophorone	--	--	--	0.76	U	0.15	U	0.16	U	0.17	U	0.16	U	0.2	U	0.17	U
Naphthalene	12	100	12	0.85	U	0.17	U	0.03	J	0.19	U	0.17	U	0.22	U	0.19	U
NDPA/DPA	--	--	--	0.85	U	0.17	U	0.14	U	0.15	U	0.14	U	0.22	U	0.19	U
Nitrobenzene	--	--	--	0.68	U	0.14	U	0.16	U	0.17	U	0.16	U	0.18	U	0.15	U
n-Nitrosodi-n-propylamine	--	--	--	0.76	U	0.15	U	0.18	U	0.19	U	0.17	U	0.2	U	0.17	U
p-Chloro-m-cresol	--	--	--	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Pentachlorophenol	0.8	2.4	0.8	0.68	U	0.14	U	0.14	U	0.15	U	0.14	U	0.18	U	0.15	U
Phenanthrene	100	100	1000	1		0.085	J	0.34		0.072	J	0.1	U	0.034	J	0.12	U
Phenol	0.33	100	0.33	0.85	U	0.17	U	0.18	U	0.19	U	0.17	U	0.22	U	0.19	U
Pyrene	100	100	1000	1.3		0.1		0.66		0.11		0.1	U	0.043	J	0.12	U

Table Notes:

--: No guidance value

mg/kg: Milligrams per Kilogram

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J: Estimate Value. The analyte concentration is below the

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup

Table 4 - Total Metals in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-01															
Location				SB-10		SB-10		SB-12		SB-12		SB-13		SB-13		SB-15		SB-15	
LAB SAMPLE ID				L2243951-16		L2243951-18		L2243951-28		L2243951-30		L2243951-38		L2243951-40		L2243951-42		L2243951-44	
DATE				8/16/2022		8/16/2022		8/16/2022		8/16/2022		8/17/2022		8/17/2022		8/17/2022		8/17/2022	
SAMPLE DEPTH (ft.)				0-2		3-5		0-2		3-5		0-2		3-5		0-2		3-5	
				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	-	-	-	4160		4820		5080		3070		5470		6270		5000		5160	
Antimony, Total	-	-	-	4.08	U	4.24	U	4.21	U	4.5	U	0.455	J	4.41	U	4.19	U	4.44	U
Arsenic, Total	13	16	16	3.74		2.29		1.33		2.59		3.46		1.33		1.66		1.27	
Barium, Total	350	350	820	27		29.2		22.9		30.6		50.5		29.9		31		21	
Beryllium, Total	7.2	14	47	0.204	J	0.246	J	0.228	J	0.153	J	0.286	J	0.336	J	0.26	J	0.275	J
Cadmium, Total	2.5	2.5	7.5	0.277	J	0.322	J	0.32	J	0.279	J	0.573	J	0.097	J	0.142	J	0.098	J
Calcium, Total	-	-	-	1400		5600		431		16700		3330		796		1370		518	
Chromium, Total*	1	22	19	8.22		16.4		8.88		11.4		10.3		9.18		9.19		7.68	
Colbalt, Total	-	-	-	2.95		3.19		3.76		1.78	J	4.96		3.48		3.34		3.37	
Copper, Total	50	270	1720	6.95		4.94		4.21		3.78		27.7		4.09		6.48		5.25	
Iron, Total	-	-	-	7730		8600		9030		6040		10100		7620		8520		8280	
Lead, Total	63	400	450	6.16		38.4		4.22		2.11	J	**80.3**		6		14.1		3.54	J
Magnesium, Total	-	-	-	1050		1290		1460		692		2060		1860		1380		1500	
Manganese, Total	1600	2000	2000	177		256		209		71.9		210		311		260		241	
Mercury, Total	0.18	0.81	0.73	**0.21**		0.076	U	0.074	U	0.087	U	**0.222**		0.075	U	0.05	J	0.074	U
Nickel, Total	30	140	130	5.2		6.62		6.14		4.3		9.97		5.91		6.48		6.98	
Potassium, Total	-	-	-	290		351		334		570		662		236		489		584	
Selenium, Total	3.9	36	4	1.63	U	1.7	U	1.68	U	0.342	J	1.68	U	0.247	J	0.36	J	0.248	J
Silver, Total	2	36	8.3	0.816	U	0.848	U	0.843	U	0.901	U	0.843	U	0.883	U	0.837	U	0.887	U
Sodium, Total	-	-	-	74	J	107	J	44	J	253		73.9	J	97.7	J	71.5	J	81.7	J
Thallium, Total	-	-	-	1.63	U	1.7	U	1.68	U	1.8	U	1.68	U	1.76	U	1.67	U	1.77	U
Vanadium, Total	-	-	-	9.22		11.8		11.5		8.54		15.3		10		10.8		10	
Zinc, Total	109	2200	2480	12.4		14.2		15.6		7.6		**196**		16.8		23.3		13.4	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Waste Characterization Grid				WC-02															
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-09		SB-09		SB-11		SB-11		SB-14		SB-14		SB-16		SB-16	
LAB SAMPLE ID				L2243951-02		L2243951-04		L2243951-21		L2243951-23		L2243951-06		L2243951-08		L2243951-26		L2243951-32	
DATE				8/15/2022		8/15/2022		8/16/2022		8/16/2022		8/15/2022		8/15/2022		8/16/2022		8/16/2022	
SAMPLE DEPTH (ft.)				0-2		5-7		0-2		3-5		0-2		4-6		0-2		3-5	
				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	-	-	-	5660		4220		4550		4880		8080		3540		5130		4380	
Antimony, Total	-	-	-	4.13	U	4.76	U	4.26	U	4.48	U	4.3	U	4.41	U	4.09	U	4.32	U
Arsenic, Total	13	16	16	2.16		1.64		3.9		1.29		5.33		1.54		3.27		1.84	
Barium, Total	350	350	820	32		18.1		63.2		23.1		51.2		14.7		40.1		29.2	
Beryllium, Total	7.2	14	47	0.273	J	0.21	J	0.196	J	0.251	J	0.455		0.176	J	0.254	J	0.233	J
Cadmium, Total	2.5	2.5	7.5	0.19	J	0.105	J	0.205	J	0.314	J	0.258	J	0.088	J	0.278	J	0.294	J
Calcium, Total	-	-	-	886		323		44900		1280		10600		793		6840		16100	
Chromium, Total*	1	22	19	10.8		7.82		6.32		7.7		31.5		5.89		8.96		9.94	
Colbalt, Total	-	-	-	5.36		3.52		2.25		3.41		5.58		3.2		3.42		2.8	
Copper, Total	50	270	1720	8.13		5.21		5.87		4.93		15.8		4.92		10.6		5.4	
Iron, Total	-	-	-	9900		7740		5430		8480		14200		6700		9220		7660	
Lead, Total	63	400	450	29.2		3.42	J	10.8		7.28		28.2		2.82	J	27.9		5.29	
Magnesium, Total	-	-	-	1920		1420		1340		1470		3960		1450		1800		1810	
Manganese, Total	1600	2000	2000	198		248		130		426		253		188		316		208	
Mercury, Total	0.18	0.81	0.73	0.072		0.076	U	0.107		0.084	U	0.135		0.073	U	0.08	J	0.073	U
Nickel, Total	30	140	130	9.16		6.93		5.88		6.45		12.4		6.36		6.5		7	
Potassium, Total	-	-	-	584		457		677		387		787		419		510		584	
Selenium, Total	3.9	36	4	1.65	U	1.9	U	0.358	J	1.79	U	1.72	U	1.76	U	1.64	U	1.73	U
Silver, Total	2	36	8.3	0.826	U	0.952	U	0.853	U	0.896	U	0.859	U	0.882	U	0.818	U	0.865	U
Sodium, Total	-	-	-	57	J	397		400		137	J	151	J	186		77.3	J	154	J
Thallium, Total	-	-	-	1.65	U	1.9	U	1.7	U	1.79	U	1.72	U	1.76	U	1.64	U	1.73	U
Vanadium, Total	-	-	-	15		8.5		10.5		10.9		19.5		7.32		11.4		10.9	
Zinc, Total	109	2200	2480	46.8		14.6		15.4		22.3		45.3		14.5		46.4		14.5	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-03															
Location				SB-03		SB-03		SB-04		SB-04		SB-17		SB-17		SB-19		SB-19	
LAB SAMPLE ID				L2245374-12		L2245374-14		L2244887-55		L2245374-02		L2246011-30		L2246011-32		L2246011-36		L2246011-38	
DATE				8/22/2022		8/22/2022		8/22/2022		8/22/2022		8/25/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		1-3		4-7		1-3		4-5		1-3		4-7	
				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	-	-	-	4950		4900		5680		5540		4580		4280		6260		5400	
Antimony, Total	-	-	-	0.374	J	0.655	J	0.888	J	0.547	J	1.17	J	0.784	J	1.27	J	1.33	J
Arsenic, Total	13	16	16	2.04		2.07		5.85		3.45		3.93		1.32		2.36		4.91	
Barium, Total	350	350	820	21.5		32.1		69.3		54.8		44.9		21.3		50.1		39.1	
Beryllium, Total	7.2	14	47	0.237	J	0.212	J	0.212	J	0.174	J	0.373	J	0.279	J	0.619		0.466	
Cadmium, Total	2.5	2.5	7.5	0.265	J	0.248	J	0.948		0.539	J	0.286	J	0.115	J	0.257	J	0.284	J
Calcium, Total	-	-	-	2310		3730		4540		28200		19200		406		876		951	
Chromium, Total*	1	22	19	8.81		10.4		18.5		17.3		10.7		7.81		14.3		11.5	
Colbalt, Total	-	-	-	3.73		3.54		5.24		3.6		4.25		3.1		7.36		4.85	
Copper, Total	50	270	1720	11.3		13.2		36.3		**104**		16.4		3.89		20.1		13.4	
Iron, Total	-	-	-	8900		8860		14100		13800		9220		6530		12200		9890	
Lead, Total	63	400	450	42.5		55.1		**103**		39.8		61.5		3.98	J	10.1		55.4	
Magnesium, Total	-	-	-	2260		1750		2190		2800		10400		1220		2560		1930	
Manganese, Total	1600	2000	2000	277		239		242		190		246		197		90.2		173	
Mercury, Total	0.18	0.81	0.73	0.091		0.053	J	**0.213**		0.146		0.136		0.087	U	0.1		**0.193**	
Nickel, Total	30	140	130	6.79		6.7		13		8.36		8.71		5.94		11.9		9.25	
Potassium, Total	-	-	-	568		646		706		981		728		248		1400		376	
Selenium, Total	3.9	36	4	1.82	U	1.77	U	1.69	U	1.66	U	1.72	U	1.71	U	1.74	U	0.62	J
Silver, Total	2	36	8.3	0.913	U	0.886	U	0.846	U	0.829	U	0.86	U	0.856	U	0.871	U	0.865	U
Sodium, Total	-	-	-	1110		682		189		360		358		93	J	100	J	93.9	J
Thallium, Total	-	-	-	1.82	U	1.77	U	1.69	U	1.66	U	1.72	U	1.71	U	0.288	J	1.73	U
Vanadium, Total	-	-	-	10.9		11.5		23.6		13.5		14.4		8.83		22.2		13.8	
Zinc, Total	109	2200	2480	46.7		75.4		**216**		**117**		76.8		15.2		42.5		58.6	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

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Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-04											
Location				SB-18		SB-18		SB-18		SB-20		SB-20		SB-20	
LAB SAMPLE ID				L2244887-14		L2244887-16		L2244887-18		L2243951-50		L2243951-52		L2243951-54	
DATE				8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022	
SAMPLE DEPTH (ft.)				0-2		2-4		4-6		0-2		3-6		7-9	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	-	-	-	5030		4060		3950		7060		5690		5640	
Antimony, Total	-	-	-	4.23	U	4.21	U	4.11	U	0.39	J	5.33	U	0.431	J
Arsenic, Total	13	16	16	2.23		1.17		1.33		2.68		0.97	J	1.22	
Barium, Total	350	350	820	29.5		18.4		21.4		55.6		29.4		19.1	
Beryllium, Total	7.2	14	47	0.279	J	0.227	J	0.206	J	0.286	J	0.213	J	0.302	J
Cadmium, Total	2.5	2.5	7.5	0.389	J	0.303	J	0.271	J	0.658	J	0.181	J	0.181	J
Calcium, Total	-	-	-	2460		489		11500		6090		796		577	
Chromium, Total*	1	22	19	9.3		6.8		7.69		19.4		11		8.65	
Colbalt, Total	-	-	-	3.63		3.24		3.12		6.26		3.91		3.54	
Copper, Total	50	270	1720	8.48		5.45		6.27		21.1		5.38		6.63	
Iron, Total	-	-	-	9030		8220		7040		12500		9320		8670	
Lead, Total	63	400	450	18.2		2.95	J	2.6	J	**65.4**		4.93	J	4.58	
Magnesium, Total	-	-	-	1620		1290		1450		3810		1840		2060	
Manganese, Total	1600	2000	2000	247		261		214		297		192		270	
Mercury, Total	0.18	0.81	0.73	0.059	J	0.068	U	0.068	U	0.09		0.086	U	0.07	U
Nickel, Total	30	140	130	7.42		6.25		5.81		13.8		6.77		7.8	
Potassium, Total	-	-	-	639		476		553		817		450		547	
Selenium, Total	3.9	36	4	1.69	U	1.68	U	1.64	U	1.73	U	2.13	U	1.72	U
Silver, Total	2	36	8.3	0.846	U	0.841	U	0.822	U	0.866	U	1.06	U	0.863	U
Sodium, Total	-	-	-	165	J	379		117	J	439		201	J	104	J
Thallium, Total	-	-	-	1.69	U	1.68	U	1.64	U	1.73	U	2.13	U	1.72	U
Vanadium, Total	-	-	-	14		10.5		8.74		21.4		12		9.5	
Zinc, Total	109	2200	2480	28.4		12.4		12.4		**211**		19.9		16.1	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-05											
Location				SB-21		SB-21		SB-21		SB-29		SB-29		SB-29	
LAB SAMPLE ID				L2244887-02		L2244887-04		L2244887-06		L2246011-42		L2246011-44		L2246011-46	
DATE				8/18/2022		8/18/2022		8/18/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				0-2		3-6		7-9		1-3		4-7		7-9	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)															
Aluminum, Total	-	-	-	7270		4560		4010		4950		2440		3430	
Antimony, Total	-	-	-	4.28	U	4.02	U	4.44	U	1.54	J	0.615	J	0.809	J
Arsenic, Total	13	16	16	4.71		2.93		1.22		4.12		1.59		1.71	
Barium, Total	350	350	820	89		41		19		34.3		17.8		18.7	
Beryllium, Total	7.2	14	47	0.3	J	0.233	J	0.24	J	0.42	J	0.242	J	0.326	J
Cadmium, Total	2.5	2.5	7.5	0.702	J	0.37	J	0.302	J	0.238	J	0.142	J	0.136	J
Calcium, Total	-	-	-	1900		2290		695		1890		915		701	
Chromium, Total*	1	22	19	16.4		10.3		6.85		11.3		6.72		7.27	
Colbalt, Total	-	-	-	6.78		4		3.24		5.36		3.7		3.9	
Copper, Total	50	270	1720	**52.4**		9.94		6.1		16.2		6.94		6.76	
Iron, Total	-	-	-	15500		9310		8190		10500		5800		8870	
Lead, Total	63	400	450	**129**		**67.9**		4.21	J	53.6		19.6		4.14	J
Magnesium, Total	-	-	-	2580		2020		1530		2100		1130		1680	
Manganese, Total	1600	2000	2000	197		235		233		212		175		370	
Mercury, Total	0.18	0.81	0.73	**0.581**		0.055	J	0.075	U	**0.292**		0.078	U	0.093	U
Nickel, Total	30	140	130	11		7.04		6.51		10.3		6.09		7.56	
Potassium, Total	-	-	-	2220		998		556		750		451		558	
Selenium, Total	3.9	36	4	1.71	U	1.61	U	1.77	U	1.68	U	1.71	U	1.82	U
Silver, Total	2	36	8.3	0.856	U	0.804	U	0.887	U	0.842	U	0.857	U	0.91	U
Sodium, Total	-	-	-	129	J	98.8	J	59.4	J	98	J	59.8	J	69.9	J
Thallium, Total	-	-	-	1.71	U	1.61	U	1.77	U	1.68	U	1.71	U	1.82	U
Vanadium, Total	-	-	-	24		13.5		10.3		15.6		8.4		11.6	
Zinc, Total	109	2200	2480	93.5		31.4		14.4		44.9		20.4		17.3	

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

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 4 - Total Metals in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-06				WC-07						WC-08			
Location				SB-05		SB-05		SB-06		SB-06		SB-06		SB-23		SB-23	
LAB SAMPLE ID				L2244887-43		L2244887-45		L2245374-06		L2245374-08		L2245374-10		L2244887-08		L2244887-10	
DATE				8/19/2022		8/19/2022		8/22/2022		8/22/2022		8/22/2022		8/18/2022		8/18/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		0.5-2.5		3-7		7-9		0-2		4-7	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																	
Aluminum, Total	-	-	-	6160		6270		3850		4470		4530		7000		4580	
Antimony, Total	-	-	-	0.339	J	4.15	U	4.39	U	0.347	J	4.21	U	4.26	U	4.1	U
Arsenic, Total	13	16	16	5.26		1.45		2.3		2.42		0.919		6.78		1.57	
Barium, Total	350	350	820	64.8		49.9		33.6		41.2		23.5		78.8		18.8	
Beryllium, Total	7.2	14	47	0.273	J	0.348	J	0.325	J	0.263	J	0.194	J	0.298	J	0.246	J
Cadmium, Total	2.5	2.5	7.5	0.513	J	0.199	J	0.404	J	0.195	J	0.118	J	1.48		0.328	J
Calcium, Total	-	-	-	12300		3850		14700		3880		436		9020		2530	
Chromium, Total*	1	22	19	14.7		10.7		17		11.9		7		19.9		6.82	
Colbalt, Total	-	-	-	4.98		3.23		6.7		3.59		2.86		7.94		3.31	
Copper, Total	50	270	1720	47.3		8.67		18.6		14.5		3.78		**80.4**		5.98	
Iron, Total	-	-	-	11200		8650		13700		9060		6660		28100		8690	
Lead, Total	63	400	450	**110**		20.8		34.8		30.9		3.52	J	**86.1**		3.89	J
Magnesium, Total	-	-	-	2300		1480		8320		2420		1190		4280		1680	
Manganese, Total	1600	2000	2000	264		497		205		344		205		297		284	
Mercury, Total	0.18	0.81	0.73	**0.258**		**0.44**		0.056	J	**0.425**		0.069	U	**0.245**		0.068	U
Nickel, Total	30	140	130	9.95		6.62		9.09		6.37		5.15		15.7		7.09	
Potassium, Total	-	-	-	794		472		594		566		301		2050		509	
Selenium, Total	3.9	36	4	1.66	U	1.66	U	1.76	U	1.69	U	1.68	U	1.7	U	1.64	U
Silver, Total	2	36	8.3	0.828	U	0.829	U	0.879	U	0.847	U	0.843	U	0.851	U	0.82	U
Sodium, Total	-	-	-	329		57.9	J	356		131	J	51.4	J	183		89.8	J
Thallium, Total	-	-	-	1.66	U	1.66	U	1.76	U	1.69	U	1.68	U	1.7	U	1.64	U
Vanadium, Total	-	-	-	20.1		10.8		25.2		11.5		8.01		26.1		10.5	
Zinc, Total	109	2200	2480	**121**		29.5		62.6		31.1		12.4		**222**		14.1	

Table Notes:

--: No guidance value
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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-09										WC-10					
Location				SB-22		SB-22		SB-22		SB-24		SB-24		SB-25		SB-25		SB-25	
LAB SAMPLE ID				L2245374-42		L2245374-44		L2245374-46		L2245374-48		L2246011-02		L2246011-24		L2246011-26		L2246011-28	
DATE				8/24/2022		8/24/2022		8/24/2022		8/24/2022		8/24/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1-3		4-7		7-9		1-3		4-7		1-3		4-7		7-9	
				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	-	-	-	5450		2140		4040		7650		5610		8510		5100		2760	
Antimony, Total	-	-	-	4.38	U	4.16	U	4.2	U	4.47	U	4.36	U	2.46	J	0.892	J	0.865	J
Arsenic, Total	13	16	16	6.56		2.62		0.82	J	5.69		1.1		6.99		1.66		1.61	
Barium, Total	350	350	820	218		23.6		12.4		73.8		32.6		88.5		20.6		11.3	
Beryllium, Total	7.2	14	47	0.288	J	0.205	J	0.213	J	0.428	J	0.222	J	0.92		0.379	J	0.245	J
Cadmium, Total	2.5	2.5	7.5	1.01		0.833	U	0.84	U	0.376	J	0.872	U	1.39		0.132	J	0.192	J
Calcium, Total	-	-	-	21300		1840		475		3970		6620		3730		600		439	
Chromium, Total*	1	22	19	14.9		10.3		5.58		18.4		10.7		31.8		9.37		5.49	
Colbalt, Total	-	-	-	3.82		1.54	J	2.6		6.28		4.93		10		3.8		3.51	
Copper, Total	50	270	1720	40.9		7.3		5.23		36		24.6		35.7		7.82		5.32	
Iron, Total	-	-	-	14400		6400		6760		13400		11100		23400		9710		5600	
Lead, Total	63	400	450	**1010**		19.6		3.02	J	**115**		13.2		**170**		10.2		4.6	
Magnesium, Total	-	-	-	2630		786		1450		5110		2520		3960		1690		1240	
Manganese, Total	1600	2000	2000	240		124		228		312		201		484		242		206	
Mercury, Total	0.18	0.81	0.73	**2.75**		0.112		0.079	U	**0.336**		0.092		0.085	J	0.078	U	0.078	U
Nickel, Total	30	140	130	7.9		3.58		5.97		14.7		6.94		17.5		7.44		7.58	
Potassium, Total	-	-	-	489		200	J	399		1050		353		1180		496		278	
Selenium, Total	3.9	36	4	0.457	J	1.66	U	1.68	U	0.264	J	1.74	U	0.357	J	1.7	U	1.74	U
Silver, Total	2	36	8.3	0.877	U	0.833	U	0.84	U	0.894	U	0.872	U	0.954	U	0.853	U	0.87	U
Sodium, Total	-	-	-	633		100	J	28.8	J	187		200		416		60	J	53.1	J
Thallium, Total	-	-	-	1.75	U	1.66	U	1.68	U	1.79	U	1.74	U	0.641	J	1.7	U	1.74	U
Vanadium, Total	-	-	-	15.9		14.4		7.57		38.4		24.4		41.2		12.4		8.08	
Zinc, Total	109	2200	2480	**636**		25.4		11.2		**150**		28.4		**419**		18.7		15.4	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-11				WC-12				WC-13					
Location				SB-28		SB-28		SB-08		SB-08		SB-26		SB-26		SB-26	
LAB SAMPLE ID				L2246011-06		L2246011-08		L2244887-37		L2244887-39		L2246011-10		L2246011-12		L2246011-14	
DATE				8/24/2022		8/24/2022		8/19/2022		8/19/2022		8/24/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				1-3		8-10		1-3		4-7		1-3		4-7		8-10	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																	
Aluminum, Total	-	-	-	7180		3340		9460		4910		6800		5000		3920	
Antimony, Total	-	-	-	4.2	U	4.05	U	4.43	U	4.22	U	4.36	U	4.14	U	4.13	U
Arsenic, Total	13	16	16	2.3		0.581	J	2.66		0.86		5.66		1.23		0.569	J
Barium, Total	350	350	820	38.7		11.2		57.9		36.7		121		33.6		17.6	
Beryllium, Total	7.2	14	47	0.33	J	0.175	J	0.328	J	0.202	J	0.344	J	0.223	J	0.214	J
Cadmium, Total	2.5	2.5	7.5	0.123	J	0.81	U	0.478	J	0.143	J	0.592	J	0.109	J	0.825	U
Calcium, Total	-	-	-	4110		362		2540		1840		9000		1550		381	
Chromium, Total*	1	22	19	14.1		4.93		17.8		9.24		17.9		9.8		5.07	
Colbalt, Total	-	-	-	4.52		2.07		6.58		2.98		9.07		3.18		2.16	
Copper, Total	50	270	1720	18.5		4.06		32.3		4.82		76.4		6.9		3.61	
Iron, Total	-	-	-	11000		5000		15400		7190		36100		7670		5700	
Lead, Total	63	400	450	49.1		2	J	39.6		4.29		447		19.8		2.8	J
Magnesium, Total	-	-	-	3850		1210		3400		1790		2800		1780		1220	
Manganese, Total	1600	2000	2000	195		157		228		340		430		210		174	
Mercury, Total	0.18	0.81	0.73	0.161		0.059	J	0.165		0.069	U	2.15		0.112		0.076	U
Nickel, Total	30	140	130	9.95		4.94		11.8		5.3		16.5		5.81		4.58	
Potassium, Total	-	-	-	673		285		1060		330		1630		530		402	
Selenium, Total	3.9	36	4	1.68	U	1.62	U	1.77	U	1.69	U	0.606	J	1.65	U	1.65	U
Silver, Total	2	36	8.3	0.839	U	0.81	U	0.886	U	0.843	U	0.872	U	0.827	U	0.825	U
Sodium, Total	-	-	-	135	J	62.5	J	733		96.4	J	263		69.5	J	30.5	J
Thallium, Total	-	-	-	1.68	U	1.62	U	1.77	U	1.69	U	0.278	J	1.65	U	1.65	U
Vanadium, Total	-	-	-	18.9		6.06		24.5		9.35		23		10.8		6.28	
Zinc, Total	109	2200	2480	46.4		9.03		62.2		16.1		180		24.4		10.2	

Table Notes:

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Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-14				WC-15						WC-16		WC-17	
Location				SB-27		SB-27		SB-07		SB-07		SB-07		SB-30 and SB-31		SB-32 and SB-33	
LAB SAMPLE ID				L2244887-20		L2244887-22		L2245374-28		L2245374-30		L2245374-32		L2249841-02		L2249841-04	
DATE				8/18/2022		8/18/2022		8/23/2022		8/23/2022		8/23/2022		9/13/2022		9/13/2022	
SAMPLE DEPTH (ft.)				0-2		3-7		1-3		4-7		7-9		8-12.5		8-13	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Total Metals By EPA Method 6010 (mg/kg)																	
Aluminum, Total	-	-	-	6000		5800		7980		6580		4220		5030		4520	
Antimony, Total	-	-	-	4.12	U	4.07	U	4.15	U	4.52	U	4.17	U	5.3	U	4.51	U
Arsenic, Total	13	16	16	7.34		7.14		3.26		1.57		1.37		1.62		1.57	
Barium, Total	350	350	820	87.8		51.4		82.6		36.9		20		22.7		27.4	
Beryllium, Total	7.2	14	47	0.305	J	0.326	J	0.307	J	0.244	J	0.234	J	0.296	J	0.252	J
Cadmium, Total	2.5	2.5	7.5	0.856		0.554	J	0.756	J	0.398	J	0.267	J	0.191	J	0.189	J
Calcium, Total	-	-	-	10500		7720		14400		1060		414		506		668	
Chromium, Total*	1	22	19	14.4		12.6		18.1		11.9		6.1		7.75		6.91	
Colbalt, Total	-	-	-	6.74		5.88		9.62		5.24		3.11		3.6		3.41	
Copper, Total	50	270	1720	28.6		19.8		18.6		7.02		4.74		5.9		5.89	
Iron, Total	-	-	-	12500		12200		15000		10800		7150		10300		9800	
Lead, Total	63	400	450	**167**		**97.4**		**66.3**		7.61		3.39	J	4.58	J	3.62	J
Magnesium, Total	-	-	-	3720		2920		10600		2450		1420		1860		1620	
Manganese, Total	1600	2000	2000	262		254		220		252		238		228		326	
Mercury, Total	0.18	0.81	0.73	**0.377**		**0.272**		**0.241**		0.073	U	0.068	U	0.087	U	0.074	U
Nickel, Total	30	140	130	13		11.8		28.6		10.3		6.21		7.44		7.08	
Potassium, Total	-	-	-	1280		937		2940		1310		458		602		508	
Selenium, Total	3.9	36	4	1.65	U	1.63	U	1.66	U	1.81	U	1.67	U	2.12	U	1.8	U
Silver, Total	2	36	8.3	0.823	U	0.815	U	0.831	U	0.904	U	0.835	U	1.06	U	0.902	U
Sodium, Total	-	-	-	144	J	226		297		110	J	72	J	90.2	J	116	J
Thallium, Total	-	-	-	1.65	U	1.63	U	1.66	U	1.81	U	1.67	U	2.12	U	1.8	U
Vanadium, Total	-	-	-	24.5		18.7		24.8		14.5		8.67		11.8		11.1	
Zinc, Total	109	2200	2480	**189**		42.2		65.2		36.4		16.8		15.5		15.8	

Table Notes:

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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-01									
Location				SB-10		SB-10		SB-12		SB-13		SB-15	
LAB SAMPLE ID				L2243951-16		L2243951-18		L2243951-30		L2243951-40		L2243951-44	
DATE				8/16/2022		8/16/2022		8/16/2022		8/17/2022		8/17/2022	
SAMPLE DEPTH (ft.)				0-2		3-5		3-5		3-5		3-5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081													
4,4'-DDD	0.0033	2.6	14	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
4,4'-DDE	0.0033	1.8	17	0.00165	U	0.00165	J	0.00172	U	0.000437	J	**0.00754**	
4,4'-DDT	0.0033	1.7	136	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Aldrin	0.005	0.019	0.19	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Alpha-BHC	0.02	0.097	0.02	0.000686	U	0.000721	U	0.000715	U	0.000765	U	0.000736	U
Beta-BHC	0.036	0.072	0.09	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Chlordane	-	-	-	0.0137	U	0.0144	U	0.0143	U	0.0153	U	0.0147	U
cis-Chlordane	0.094	0.91	2.9	0.00206	U	0.00216	U	0.00214	U	0.0023	U	0.00221	U
Delta-BHC	0.04	100	0.25	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Dieldrin	0.005	0.039	0.1	0.00103	U	0.00108	U	0.00107	U	0.00115	U	0.0011	U
Endosulfan I	2.4	4.8	102	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Endosulfan II	2.4	4.8	102	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Endosulfan sulfate	2.4	4.8	1000	0.000686	U	0.000721	U	0.000715	U	0.000765	U	0.000736	U
Endrin	0.014	2.2	0.06	0.000686	U	0.000721	U	0.000715	U	0.000765	U	0.000736	U
Endrin aldehyde	-	-	-	0.00206	U	0.00216	U	0.00214	U	0.0023	U	0.00221	U
Endrin ketone	-	-	-	0.00165	U	0.00173	U	0.00172	U	0.00184	U	0.00177	U
Heptachlor	0.042	0.42	0.38	0.000824	U	0.000865	U	0.000858	U	0.000918	U	0.000883	U
Heptachlor epoxide	-	-	-	0.00309	U	0.00324	U	0.00322	U	0.00344	U	0.00331	U
Lindane	0.1	0.28	0.1	0.000686	U	0.000721	U	0.000715	U	0.000765	U	0.000736	U
Methoxychlor	-	-	-	0.00309	U	0.00324	U	0.00322	U	0.00344	U	0.00331	U
Toxaphene	-	-	-	0.0309	U	0.0324	U	0.0322	U	0.0344	U	0.0331	U
trans-Chlordane	-	-	-	0.00206	U	0.00216	U	0.00214	U	0.0023	U	0.00221	U
Polychlorinated Biphenyls by EPA Method 8082A													
Aroclor 1016	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1221	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1232	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1242	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1254	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1260	0.1	1	3.2	0.0345	U	0.035	U	0.0201	J	0.0387	U	0.0368	U
Aroclor 1262	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
Aroclor 1268	0.1	1	3.2	0.0345	U	0.035	U	0.0376	U	0.0387	U	0.0368	U
PCBs, Total	0.1	1	3.2	0.0345	U	0.035	U	0.0201	J	0.0387	U	0.0368	U
Chlorinated Herbicides by EPA Method 8151													
2,4-D	--	--	--	0.179	U	0.181	U	0.187	U	0.192	U	0.187	U
2,4,5-T	--	--	--	0.179	U	0.181	U	0.187	U	0.192	U	0.187	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.179	U	0.181	U	0.187	U	0.192	U	0.187	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

NA: Not Analyzed
U: Not detected at the reported detection limit
J: Estimated value. The analyte concentration is below the
I: The lower value for the two columns has been reported due to
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Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid				WC-02											
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-09		SB-09		SB-11		SB-14		SB-16		SB-16	
LAB SAMPLE ID				L2243951-02		L2243951-04		L2243951-23		L2243951-08		L2243951-26		L2243951-32	
DATE				8/15/2022		8/15/2022		8/16/2022		8/15/2022		8/16/2022		8/16/2022	
SAMPLE DEPTH (ft.)				0-2		5-7		3-5		4-6		0-2		3-5	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	2.6	14	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
4,4'-DDE	0.0033	1.8	17	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00314		0.00171	U
4,4'-DDT	0.0033	1.7	136	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00285		0.00171	U
Aldrin	0.005	0.019	0.19	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Alpha-BHC	0.02	0.097	0.02	0.000694	U	0.000767	U	0.000732	U	0.00076	U	0.000685	U	0.000711	U
Beta-BHC	0.036	0.072	0.09	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Chlordane	-	-	-	0.0139	U	0.0153	U	0.0146	U	0.0152	U	0.0137	U	0.0142	U
cis-Chlordane	0.094	0.91	2.9	0.00208	U	0.0023	U	0.0022	U	0.00228	U	0.00206	U	0.00213	U
Delta-BHC	0.04	100	0.25	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Dieldrin	0.005	0.039	0.1	0.00104	U	0.00115	U	0.0011	U	0.00114	U	0.00103	U	0.00107	U
Endosulfan I	2.4	4.8	102	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Endosulfan II	2.4	4.8	102	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Endosulfan sulfate	2.4	4.8	1000	0.000694	U	0.000767	U	0.000732	U	0.00076	U	0.000685	U	0.000711	U
Endrin	0.014	2.2	0.06	0.000694	U	0.000767	U	0.000732	U	0.00076	U	0.000685	U	0.000711	U
Endrin aldehyde	-	-	-	0.00208	U	0.0023	U	0.0022	U	0.00228	U	0.00206	U	0.00213	U
Endrin ketone	-	-	-	0.00166	U	0.00184	U	0.00176	U	0.00182	U	0.00164	U	0.00171	U
Heptachlor	0.042	0.42	0.38	0.000832	U	0.00092	U	0.000878	U	0.000912	U	0.000822	U	0.000853	U
Heptachlor epoxide	-	-	-	0.00312	U	0.00345	U	0.00329	U	0.00342	U	0.00308	U	0.0032	U
Lindane	0.1	0.28	0.1	0.000694	U	0.000767	U	0.000732	U	0.00076	U	0.000685	U	0.000711	U
Methoxychlor	-	-	-	0.00312	U	0.00345	U	0.00329	U	0.00342	U	0.00308	U	0.0032	U
Toxaphene	-	-	-	0.0312	U	0.0345	U	0.0329	U	0.0342	U	0.0308	U	0.032	U
trans-Chlordane	-	-	-	0.00208	U	0.0023	U	0.0022	U	0.00228	U	0.00206	U	0.00213	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1221	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1232	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1242	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1254	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1260	0.1	1	3.2	0.0354	U	0.0175	JP	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1262	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Aroclor 1268	0.1	1	3.2	0.0354	U	0.0394	U	0.0371	U	0.0369	U	0.0358	U	0.0356	U
PCBs, Total	0.1	1	3.2	0.0354	U	0.0175	J	0.0371	U	0.0369	U	0.0358	U	0.0356	U
Chlorinated Herbicides by EPA Method 8151															
2,4-D	--	--	--	0.18	U	0.202	U	0.186	U	0.191	U	0.176	U	0.186	U
2,4,5-T	--	--	--	0.18	U	0.202	U	0.186	U	0.191	U	0.176	U	0.186	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.18	U	0.202	U	0.186	U	0.191	U	0.176	U	0.186	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid				WC-03									
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-03		SB-04		SB-17		SB-19		SB-19	
LAB SAMPLE ID				L2245374-12		L2244887-55		L2246011-30		L2246011-36		L2246011-40	
DATE				8/22/2022		8/22/2022		8/25/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				1-3		1-3		1-3		1-3		7-9	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081													
4,4'-DDD	0.0033	2.6	14	0.00181	U	0.00313		0.00169	U	0.00168	U	0.00171	U
4,4'-DDE	0.0033	1.8	17	0.00181	U	0.00221		0.00169	U	0.00128	JP	0.00171	U
4,4'-DDT	0.0033	1.7	136	0.00181	U	0.00168	U	0.00211		0.00168	U	0.00171	U
Aldrin	0.005	0.019	0.19	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Alpha-BHC	0.02	0.097	0.02	0.000755	U	0.0007	U	0.000705	U	0.000702	U	0.000714	U
Beta-BHC	0.036	0.072	0.09	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Chlordane	-	-	-	0.0151	U	0.014	U	0.0141	U	0.014	U	0.0143	U
cis-Chlordane	0.094	0.91	2.9	0.00226	U	0.00309		0.00212	U	0.00211	U	0.00214	U
Delta-BHC	0.04	100	0.25	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Dieldrin	0.005	0.039	0.1	0.00113	U	0.00105	U	0.00106	U	0.00105	U	0.00107	U
Endosulfan I	2.4	4.8	102	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Endosulfan II	2.4	4.8	102	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Endosulfan sulfate	2.4	4.8	1000	0.000755	U	0.0007	U	0.000705	U	0.000702	U	0.000714	U
Endrin	0.014	2.2	0.06	0.000755	U	0.0007	U	0.000705	U	0.000702	U	0.000714	U
Endrin aldehyde	-	-	-	0.00226	U	0.0021	U	0.00212	U	0.00211	U	0.00214	U
Endrin ketone	-	-	-	0.00181	U	0.00168	U	0.00169	U	0.00168	U	0.00171	U
Heptachlor	0.042	0.42	0.38	0.000906	U	0.00084	U	0.000846	U	0.000843	U	0.000857	U
Heptachlor epoxide	-	-	-	0.0034	U	0.00315	U	0.00317	U	0.00316	U	0.00321	U
Lindane	0.1	0.28	0.1	0.000755	U	0.0007	U	0.000705	U	0.000702	U	0.000714	U
Methoxychlor	-	-	-	0.0034	U	0.00315	U	0.00317	U	0.00316	U	0.00321	U
Toxaphene	-	-	-	0.034	U	0.0315	U	0.0317	U	0.0316	U	0.0321	U
trans-Chlordane	-	-	-	0.00226	U	0.000571	JIP	0.00212	U	0.00211	U	0.00214	U
Polychlorinated Biphenyls by EPA Method 8082A													
Aroclor 1016	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1221	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1232	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1242	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1254	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1260	0.1	1	3.2	0.037	U	0.0122	J	0.0351	U	0.036	U	0.035	U
Aroclor 1262	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
Aroclor 1268	0.1	1	3.2	0.037	U	0.0353	U	0.0351	U	0.036	U	0.035	U
PCBs, Total	0.1	1	3.2	0.037	U	0.0122	J	0.0351	U	0.036	U	0.035	U
Chlorinated Herbicides by EPA Method 8151													
2,4-D	--	--	--	0.187	U	0.177	U	0.18	U	0.18	U	0.18	U
2,4,5-T	--	--	--	0.187	U	0.177	U	0.18	U	0.18	U	0.18	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.187	U	0.177	U	0.18	U	0.18	U	0.18	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

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Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-04						WC-05							
Location				SB-18		SB-18		SB-20		SB-21		SB-21		SB-29		SB-29	
LAB SAMPLE ID				L2244887-14		L2244887-18		L2243951-54		L2244887-02		L2244887-06		L2246011-42		L2246011-46	
DATE				8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/18/2022		8/25/2022		8/25/2022	
SAMPLE DEPTH (ft.)				0-2		4-6		7-9		0-2		7-9		1-3		7-9	
				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	2.6	14	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
4,4'-DDE	0.0033	1.8	17	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
4,4'-DDT	0.0033	1.7	136	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Aldrin	0.005	0.019	0.19	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Alpha-BHC	0.02	0.097	0.02	0.000684	U	0.000692	U	0.000732	U	0.000705	U	0.000753	U	0.00338	U	0.000748	U
Beta-BHC	0.036	0.072	0.09	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Chlordane	-	-	-	0.0137	U	0.0138	U	0.0146	U	0.0141	U	0.0151	U	0.0675	U	0.015	U
cis-Chlordane	0.094	0.91	2.9	0.00205	U	0.00208	U	0.00219	U	0.00211	U	0.00226	U	0.0101	U	0.00224	U
Delta-BHC	0.04	100	0.25	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Dieldrin	0.005	0.039	0.1	0.00103	U	0.00104	U	0.0011	U	0.00106	U	0.00113	U	0.00507	U	0.00112	U
Endosulfan I	2.4	4.8	102	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Endosulfan II	2.4	4.8	102	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Endosulfan sulfate	2.4	4.8	1000	0.000684	U	0.000692	U	0.000732	U	0.000705	U	0.000753	U	0.00338	U	0.000748	U
Endrin	0.014	2.2	0.06	0.000684	U	0.000692	U	0.000732	U	0.000705	U	0.000753	U	0.00338	U	0.000748	U
Endrin aldehyde	-	-	-	0.00205	U	0.00208	U	0.00219	U	0.00211	U	0.00226	U	0.0101	U	0.00224	U
Endrin ketone	-	-	-	0.00164	U	0.00166	U	0.00176	U	0.00169	U	0.00181	U	0.0081	U	0.0018	U
Heptachlor	0.042	0.42	0.38	0.000821	U	0.00083	U	0.000878	U	0.000846	U	0.000904	U	0.00405	U	0.000898	U
Heptachlor epoxide	-	-	-	0.00308	U	0.00311	U	0.00329	U	0.00317	U	0.00339	U	0.0152	U	0.00337	U
Lindane	0.1	0.28	0.1	0.000684	U	0.000692	U	0.000732	U	0.000705	U	0.000753	U	0.00338	U	0.000748	U
Methoxychlor	-	-	-	0.00308	U	0.00311	U	0.00329	U	0.00317	U	0.00339	U	0.0152	U	0.00337	U
Toxaphene	-	-	-	0.0308	U	0.0311	U	0.0329	U	0.0317	U	0.0339	U	0.152	U	0.0337	U
trans-Chlordane	-	-	-	0.00205	U	0.00208	U	0.00219	U	0.00211	U	0.00226	U	0.0101	U	0.00224	U
Polychlorinated Biphenyls by EPA Method 8082A																	
Aroclor 1016	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1221	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1232	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1242	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1254	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1260	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1262	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Aroclor 1268	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
PCBs, Total	0.1	1	3.2	0.0348	U	0.0343	U	0.0366	U	0.0353	U	0.0386	U	0.0354	U	0.0365	U
Chlorinated Herbicides by EPA Method 8151																	
2,4-D	--	--	--	0.175	U	0.177	U	0.186	U	0.177	U	0.195	U	0.173	U	0.185	U
2,4,5-T	--	--	--	0.175	U	0.177	U	0.186	U	0.177	U	0.195	U	0.173	U	0.185	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.175	U	0.177	U	0.186	U	0.177	U	0.195	U	0.173	U	0.185	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

NA: Not Analyzed
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Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid				WC-06				WC-07				WC-08		WC-09					
Location	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	SB-05		SB-05		SB-06		SB-06		SB-23		SB-22		SB-22		SB-24	
LAB SAMPLE ID				L2244887-43		L2244887-47		L2245374-06		L2245374-10		L2244887-08		L2245374-44		L2245374-46		L2245374-48	
DATE				8/19/2022		8/19/2022		8/22/2022		8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				1-3		8-10		0.5-2.5		7-9		1-3		4-7		7-9		1-3	
				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	2.6	14	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.000916	J
4,4'-DDE	0.0033	1.8	17	0.00176		0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	**0.0401**	
4,4'-DDT	0.0033	1.7	136	**0.00537**		0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	**0.0375**	
Aldrin	0.005	0.019	0.19	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Alpha-BHC	0.02	0.097	0.02	0.000717	U	0.000698	U	0.000744	U	0.000701	U	0.000698	U	0.000689	U	0.000702	U	0.00077	U
Beta-BHC	0.036	0.072	0.09	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Chlordane	-	-	-	0.0143	U	0.014	U	0.0149	U	0.014	U	0.014	U	0.0138	U	0.014	U	0.0154	U
cis-Chlordane	0.094	0.91	2.9	0.00215	U	0.0021	U	0.00223	U	0.0021	U	0.0021	U	0.00207	U	0.0021	U	0.00146	JIP
Delta-BHC	0.04	100	0.25	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Dieldrin	0.005	0.039	0.1	0.00138		0.00105	U	0.00112	U	0.00105	U	0.00105	U	0.00103	U	0.00105	U	0.00115	U
Endosulfan I	2.4	4.8	102	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Endosulfan II	2.4	4.8	102	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Endosulfan sulfate	2.4	4.8	1000	0.000717	U	0.000698	U	0.000744	U	0.000701	U	0.000698	U	0.000689	U	0.000702	U	0.00077	U
Endrin	0.014	2.2	0.06	0.000717	U	0.000698	U	0.000744	U	0.000701	U	0.000698	U	0.000689	U	0.000702	U	0.00077	U
Endrin aldehyde	-	-	-	0.00215	U	0.0021	U	0.00223	U	0.0021	U	0.0021	U	0.00207	U	0.0021	U	0.00231	U
Endrin ketone	-	-	-	0.00172	U	0.00168	U	0.00179	U	0.00168	U	0.00168	U	0.00165	U	0.00168	U	0.00185	U
Heptachlor	0.042	0.42	0.38	0.000861	U	0.000838	U	0.000893	U	0.000842	U	0.000838	U	0.000827	U	0.000842	U	0.000924	U
Heptachlor epoxide	-	-	-	0.00323	U	0.00314	U	0.00335	U	0.00316	U	0.00314	U	0.0031	U	0.00316	U	0.00346	U
Lindane	0.1	0.28	0.1	0.000717	U	0.000698	U	0.000744	U	0.000701	U	0.000698	U	0.000689	U	0.000702	U	0.00077	U
Methoxychlor	-	-	-	0.00323	U	0.00314	U	0.00335	U	0.00316	U	0.00314	U	0.0031	U	0.00316	U	0.00346	U
Toxaphene	-	-	-	0.0323	U	0.0314	U	0.0335	U	0.0316	U	0.0314	U	0.031	U	0.0316	U	0.0346	U
trans-Chlordane	-	-	-	0.00215	U	0.0021	U	0.00223	U	0.0021	U	0.0021	U	0.00207	U	0.0021	U	0.000868	J
Polychlorinated Biphenyls by EPA Method 8082A																			
Aroclor 1016	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1221	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1232	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1242	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1254	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1260	0.1	1	3.2	0.0361		0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0345	J
Aroclor 1262	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
Aroclor 1268	0.1	1	3.2	0.0355	U	0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0369	U
PCBs, Total	0.1	1	3.2	0.0361		0.0333	U	0.0365	U	0.0352	U	0.0348	U	0.0344	U	0.0357	U	0.0345	J
Chlorinated Herbicides by EPA Method 8151																			
2,4-D	--	--	--	0.176	U	0.174	U	0.186	U	0.174	U	0.181	U	0.174	U	0.177	U	0.19	U
2,4,5-T	--	--	--	0.176	U	0.174	U	0.186	U	0.174	U	0.181	U	0.174	U	0.177	U	0.19	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.176	U	0.174	U	0.186	U	0.174	U	0.181	U	0.174	U	0.177	U	0.19	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

NA: Not Analyzed
U: Not detected at the reported detection limit
J: Estimated value. The analyte concentration is below the
I: The lower value for the two columns has been reported due to
P The sample specific % recovery between the results for the two

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-10				WC-11				WC-12		WC-13			
Location				SB-25		SB-25		SB-28		SB-28		SB-08		SB-26		SB-26	
LAB SAMPLE ID				L2246011-24		L2246011-28		L2246011-06		L2246011-08		L2244887-37		L2246011-10		L2246011-14	
DATE				8/25/2022		8/25/2022		8/24/2022		8/24/2022		8/19/2022		8/24/2022		8/24/2022	
SAMPLE DEPTH (ft.)				1-3		7-9		1-3		8-10		1-3		1-3		8-10	
				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	2.6	14	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
4,4'-DDE	0.0033	1.8	17	0.00192	U	0.00176	U	0.0014	J	0.00168	U	0.00182	U	0.00173	U	0.00168	U
4,4'-DDT	0.0033	1.7	136	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Aldrin	0.005	0.019	0.19	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Alpha-BHC	0.02	0.097	0.02	0.000802	U	0.000734	U	0.000699	U	0.000699	U	0.000758	U	0.00072	U	0.0007	U
Beta-BHC	0.036	0.072	0.09	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Chlordane	-	-	-	0.016	U	0.0147	U	0.014	U	0.014	U	0.0152	U	0.0144	U	0.014	U
cis-Chlordane	0.094	0.91	2.9	0.0024	U	0.0022	U	0.0021	U	0.0021	U	0.00227	U	0.00216	U	0.0021	U
Delta-BHC	0.04	100	0.25	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Dieldrin	0.005	0.039	0.1	0.0012	U	0.0011	U	0.00105	U	0.00105	U	0.00114	U	0.00108	U	0.00105	U
Endosulfan I	2.4	4.8	102	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Endosulfan II	2.4	4.8	102	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Endosulfan sulfate	2.4	4.8	1000	0.000802	U	0.000734	U	0.000699	U	0.000699	U	0.000758	U	0.00072	U	0.0007	U
Endrin	0.014	2.2	0.06	0.000802	U	0.000734	U	0.000699	U	0.000699	U	0.000758	U	0.00072	U	0.0007	U
Endrin aldehyde	-	-	-	0.0024	U	0.0022	U	0.0021	U	0.0021	U	0.00227	U	0.00216	U	0.0021	U
Endrin ketone	-	-	-	0.00192	U	0.00176	U	0.00168	U	0.00168	U	0.00182	U	0.00173	U	0.00168	U
Heptachlor	0.042	0.42	0.38	0.000962	U	0.000881	U	0.000839	U	0.000839	U	0.000909	U	0.000864	U	0.00084	U
Heptachlor epoxide	-	-	-	0.00361	U	0.0033	U	0.00315	U	0.00315	U	0.00341	U	0.00324	U	0.00315	U
Lindane	0.1	0.28	0.1	0.000802	U	0.000734	U	0.000699	U	0.000699	U	0.000758	U	0.00072	U	0.0007	U
Methoxychlor	-	-	-	0.00361	U	0.0033	U	0.00315	U	0.00315	U	0.00341	U	0.00324	U	0.00315	U
Toxaphene	-	-	-	0.0361	U	0.033	U	0.0315	U	0.0315	U	0.0341	U	0.0324	U	0.0315	U
trans-Chlordane	-	-	-	0.0024	U	0.0022	U	0.0021	U	0.0021	U	0.00227	U	0.00216	U	0.0021	U
Polychlorinated Biphenyls by EPA Method 8082A																	
Aroclor 1016	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1221	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1232	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1242	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1254	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1260	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1262	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Aroclor 1268	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
PCBs, Total	0.1	1	3.2	0.0414	U	0.0368	U	0.0344	U	0.0348	U	0.0366	U	0.0357	U	0.0348	U
Chlorinated Herbicides by EPA Method 8151																	
2,4-D	--	--	--	0.202	U	0.186	U	0.172	U	0.174	U	0.19	U	0.182	U	0.173	U
2,4,5-T	--	--	--	0.202	U	0.186	U	0.172	U	0.174	U	0.19	U	0.182	U	0.173	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.202	U	0.186	U	0.172	U	0.174	U	0.19	U	0.182	U	0.173	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

NA: Not Analyzed
U: Not detected at the reported detection limit
J: Estimated value. The analyte concentration is below the
I: The lower value for the two columns has been reported due to
P The sample specific % recovery between the results for the two

Value exceeds its Part 375 Unrestricted Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 5 - Pesticides, Polychlorinated Biphenyls, and Herbicides in Soil
101 East 150th Street
Bronx, New York

Waste Characterization Grid	Part 375 Unrestricted Use SCOs	Part 375 Residential Use SCOs	Part 375 Protection of Groundwater SCOs	WC-14				WC-15				WC-16		WC-17	
Location				SB-27		SB-27		SB-07		SB-07		SB-30 and SB-31		SB-32 and SB-33	
LAB SAMPLE ID				L2244887-20		L2244887-24		L2245374-28		L2245374-32		L2249841-02		L2249841-04	
DATE				8/18/2022		8/18/2022		8/23/2022		8/23/2022		9/13/2022		9/13/2022	
SAMPLE DEPTH (ft.)				0-2		8-10		1-3		7-9		8-12.5		8-13	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Organochlorine Pesticides by EPA Method 8081															
4,4'-DDD	0.0033	2.6	14	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
4,4'-DDE	0.0033	1.8	17	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
4,4'-DDT	0.0033	1.7	136	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Aldrin	0.005	0.019	0.19	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Alpha-BHC	0.02	0.097	0.02	0.000678	U	0.000751	U	0.000695	U	0.000691	U	0.00089	U	0.000751	U
Beta-BHC	0.036	0.072	0.09	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Chlordane	-	-	-	0.0136	U	0.015	U	0.0139	U	0.0138	U	0.0178	U	0.015	U
cis-Chlordane	0.094	0.91	2.9	0.00203	U	0.00225	U	0.00208	U	0.00207	U	0.00267	U	0.00225	U
Delta-BHC	0.04	100	0.25	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Dieldrin	0.005	0.039	0.1	0.00102	U	0.00113	U	0.00104	U	0.00104	U	0.00133	U	0.00113	U
Endosulfan I	2.4	4.8	102	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Endosulfan II	2.4	4.8	102	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Endosulfan sulfate	2.4	4.8	1000	0.000678	U	0.000751	U	0.000695	U	0.000691	U	0.00089	U	0.000751	U
Endrin	0.014	2.2	0.06	0.000678	U	0.000751	U	0.000695	U	0.000691	U	0.00089	U	0.000751	U
Endrin aldehyde	-	-	-	0.00203	U	0.00225	U	0.00208	U	0.00207	U	0.00267	U	0.00225	U
Endrin ketone	-	-	-	0.00163	U	0.0018	U	0.00167	U	0.00166	U	0.00214	U	0.0018	U
Heptachlor	0.042	0.42	0.38	0.000813	U	0.000902	U	0.000834	U	0.00083	U	0.00107	U	0.000901	U
Heptachlor epoxide	-	-	-	0.00305	U	0.00338	U	0.00313	U	0.00311	U	0.004	U	0.00338	U
Lindane	0.1	0.28	0.1	0.000678	U	0.000751	U	0.000695	U	0.000691	U	0.00089	U	0.000751	U
Methoxychlor	-	-	-	0.00305	U	0.00338	U	0.00313	U	0.00311	U	0.004	U	0.00338	U
Toxaphene	-	-	-	0.0305	U	0.0338	U	0.0313	U	0.0311	U	0.04	U	0.0338	U
trans-Chlordane	-	-	-	0.00203	U	0.00225	U	0.00208	U	0.00207	U	0.00267	U	0.00225	U
Polychlorinated Biphenyls by EPA Method 8082A															
Aroclor 1016	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1221	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1232	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1242	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1254	0.1	1	3.2	0.0333	U	0.0371	U	0.0667		0.0344	U	0.0444	U	0.037	U
Aroclor 1260	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1262	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
Aroclor 1268	0.1	1	3.2	0.0333	U	0.0371	U	0.0348	U	0.0344	U	0.0444	U	0.037	U
PCBs, Total	0.1	1	3.2	0.0333	U	0.0371	U	0.0667		0.0344	U	0.0444	U	0.037	U
Chlorinated Herbicides by EPA Method 8151															
2,4-D	--	--	--	0.173	U	0.187	U	0.171	U	0.174	U	0.223	U	0.191	U
2,4,5-T	--	--	--	0.173	U	0.187	U	0.171	U	0.174	U	0.223	U	0.191	U
2,4,5-TP (Silvex)	3.8	58	3.8	0.173	U	0.187	U	0.171	U	0.174	U	0.223	U	0.191	U

TABLE NOTES:

--: No Guidance Value.

mg/kg: Milligrams per kilogram.

NA: Not Analyzed
U: Not detected at the reported detection limit
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Value exceeds its Part 375 Unrestricted and Residential Use Soil Cleanup Objectives.

Value exceeds its Part 375 Unrestricted Use, Residential Use, and Protection of Groundwater Soil Cleanup Objectives.

Table 6 - TCLP VOCs in Soil
101 East 150th Street
Bronx, New York

LOCATION	NYS Part 375 Unrestricted Use SCOs	NYS Part 375 Residential Use SCOs	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID				L2243951-47		L2243951-11		L2245374-19		L2244887-33		L2244887-27		L2244887-52	
DATE				8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
SAMPLE DEPTH (ft.)				2'		1'		1'		1'		1'		4'	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)															
1,1-Dichloroethene	0.33	100	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	0.02	2.3	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	1.8	9.8	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	0.12	100	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	0.06	2.9	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	0.76	1.4	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	1.1	100	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	0.37	10	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	1.3	5.5	0.7	0.0089		0.005	U	0.005	U	0.005	U	0.005	U	0.011	
Trichloroethene	0.47	10	0.5	0.005	U	0.005	U	0.005	U	0.0065		0.005	U	0.0036	J
Vinyl chloride	0.02	0.21	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

Table Notes:

TCLP: Toxicity Characteristics Leaching Procedure
VOCs: Volatile Organic Compounds
--: 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 6 - TCLP VOCs in Soil
101 East 150th Street
Bronx, New York

LOCATION	NYS Part 375 Unrestricted Use SCOs	NYS Part 375 Residential Use SCOs	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID				L2245374-21		L2244887-29		L2246011-17		L2246011-49		L2246011-19		L2244887-50	
DATE				8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
SAMPLE DEPTH (ft.)				2'		6'		1'		6'		6'		6'	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)															
1,1-Dichloroethene	0.33	100	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	0.02	2.3	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	1.8	9.8	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	0.12	100	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	0.06	2.9	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	0.76	1.4	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	1.1	100	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	0.37	10	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	1.3	5.5	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U	0.0032	J
Trichloroethene	0.47	10	0.5	0.0029	J	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	0.02	0.21	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

Table Notes:

TCLP: Toxicity Characteristics Leaching Procedure
VOCs: Volatile Organic Compounds
--: 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 6 - TCLP VOCs in Soil
101 East 150th Street
Bronx, New York

LOCATION	NYS Part 375 Unrestricted Use SCOs	NYS Part 375 Residential Use SCOs	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID				L2246011-21		L2244887-31		L2245374-35		L2249841-01		L2249841-03	
DATE				8/24/2022		8/18/2022		8/22/2022		9/13/2022		9/13/2022	
SAMPLE DEPTH (ft.)				1'		6'		6'		11'		10'	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)													
1,1-Dichloroethene	0.33	100	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,2-Dichloroethane	0.02	2.3	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
1,4-Dichlorobenzene	1.8	9.8	7.5	0.025	U	0.025	U	0.025	U	0.025	U	0.025	U
2-Butanone	0.12	100	200	0.05	U	0.05	U	0.05	U	0.05	U	0.05	U
Benzene	0.06	2.9	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Carbon tetrachloride	0.76	1.4	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chlorobenzene	1.1	100	100	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Chloroform	0.37	10	6	0.0075	U	0.0075	U	0.0075	U	0.0075	U	0.0075	U
Tetrachloroethene	1.3	5.5	0.7	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Trichloroethene	0.47	10	0.5	0.005	U	0.005	U	0.005	U	0.005	U	0.005	U
Vinyl chloride	0.02	0.21	0.2	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

Table Notes:

TCLP: Toxicity Characteristics Leaching Procedure
VOCs: Volatile Organic Compounds
--: 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 7 - TCLP Metals in Soil
101 East 150th Street
Bronx, New York

LOCATION	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID		L2243951-47		L2243951-11		L2245374-19		L2244887-33		L2244887-27		L2244887-52	
DATE		8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
		0-6'		0-6'		0-6'		0-8'		0-8'		0-8'	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)													
Arsenic, TCLP	5	1	U	1	U	1	U	1	U	1	U	1	U
Barium, TCLP	100	0.433	J	0.305	J	0.528		0.265	J	0.403	J	0.581	
Cadmium, TCLP	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.016	J
Chromium, TCLP	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	5	0.5	U	0.5	U	0.5	U	0.5	U	0.482	J	0.05	J
Mercury, TCLP	0.2	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Table Notes:

TCLP: Toxicity Characteristic Leaching Procedure

--: 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)

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Table 7 - TCLP Metals in Soil
101 East 150th Street
Bronx, New York

LOCATION	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID		L2245374-21		L2244887-29		L2246011-17		L2246011-49		L2246011-19		L2244887-50	
DATE		8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
		0-8'		0-8'		0-8'		1-9'		0-8'		0-8'	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)													
Arsenic, TCLP	5	1	U	1	U	1	U	1	U	1	U	1	U
Barium, TCLP	100	0.674		0.267	J	0.689		0.541		0.514		0.368	J
Cadmium, TCLP	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	5	0.053	J	0.5	U	0.432	J	0.044	J	0.067	J	0.5	U
Mercury, TCLP	0.2	0.001	U	0.001	U	0.0005	J	0.001	U	0.001	U	0.001	U
Selenium, TCLP	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Table Notes:

TCLP: Toxicity Characteristic Leaching Procedure

--: 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 7 - TCLP Metals in Soil
101 East 150th Street
Bronx, New York

LOCATION	Maximum Contaminant Concentrations for Toxicity (40 CFR 261 6/96)	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID		L2246011-21		L2244887-31		L2245374-23		L2249841-01		L2249841-03	
DATE		8/24/2022		8/18/2022		8/22/2022		9/13/2022		9/13/2022	
		0-10'		0-8'		0-8'		8-12.5'		8-13'	
		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
TCLP Metals by EPA 1311 (mg/kg)											
Arsenic, TCLP	5	1	U	0.025	J	1	U	1	U	1	U
Barium, TCLP	100	0.585		0.272	J	0.552		0.288	J	0.181	J
Cadmium, TCLP	1	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Chromium, TCLP	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Lead, TCLP	5	0.312	J	0.2	J	0.5	U	0.5	U	0.5	U
Mercury, TCLP	0.2	0.0005	J	0.001	U	0.001	U	0.001	U	0.001	U
Selenium, TCLP	1	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Silver, TCLP	5	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U

Table Notes:

TCLP: Toxicity Characteristic Leaching Procedure

--: 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 8 - Soil Waste Characterization Parameters
101 East 150th Street
Bronx, New York

SAMPLE LOCATION		EPA RCRA Characteristic	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID			L2243951-48		L2243951-12		L2245374-20		L2244887-34		L2244887-28		L2244887-53	
DATE			8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
			0-6'		0-6'		0-6'		0-8'		0-8'		0-8'	
	Units		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Corrosivity (pH)	S.U.	pH <2 or pH > 12	10.2		9.1		11.2		9.1		8.3		8.8	
Cyanide, Reactive	mg/kg	250	10	U	10	U	10	U	10	U	10	U	10	U
Sulfide, Reactive	mg/kg	500	10	U	10	U	10	U	10	U	10	U	10	U
Ignitability	-	--	NI		NI		NI		NI		NI		NI	
Paint Filter Liquid	-	--	NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE	
Solids, Total	%	--	82.5		88.8		91.4		85.3		94.2		91.9	

SAMPLE LOCATION		Part 375 Unrestricted Use Soil Cleanup Objectives	Part 375 Restricted Residential Use Soil Cleanup Objectives	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID				L2243951-48		L2243951-12		L2245374-20		L2244887-34		L2244887-28		L2244887-53	
DATE				8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
				0-6'		0-6'		0-6'		0-8'		0-8'		0-8'	
	Units			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry															
Chromium, Hexavalent	mg/kg	1	22	0.97	U	0.901	U	0.875	U	0.363	J	0.849	U	0.337	J
Cyanide, Total	mg/kg	27	27	1.1	U	1.1	U	1	U	1.1	U	1	U	1	U

SAMPLE LOCATION		New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID			L2243951-47		L2243951-11		L2245374-19		L2244887-33		L2244887-27		L2244887-52	
DATE			8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
			0-6'		0-6'		0-6'		0-8'		0-8'		0-8'	
	Units		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Extractable Petroleum Hydrocarbons (TPH)	mg/kg	5,100	29.4		77		700		179		216		117	

SAMPLE LOCATION		New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-01		WC-02		WC-03		WC-04		WC-05		WC-06	
LAB SAMPLE ID			L2243951-47		L2243951-11		L2245374-19		L2244887-33		L2244887-27		L2244887-52	
DATE			8/17/2022		8/15/2022		8/22/2022		8/18/2022		8/18/2022		8/19/2022	
			2'		1'		1'		1'		1'		4'	
	Units		Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Gasoline Range Organics (GRO)	mg/kg	5,100	0.99	J	0.88	J	0.91	J	1.4	J	1	J	1.6	J

Table Notes:

S.U.: Standard Units.

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).

mg/kg: Milligrams per kilograms.
--: No Guidance Value.
-: No unit.
NI: Non-Ignitable
N/A: Not Analyzed

Table 8 - Soil Waste Characterization Parameters
101 East 150th Street
Bronx, New York

SAMPLE LOCATION	Units	EPA RCRA Characteristic	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID			L2245374-22		L2244887-30		L2246011-18		L2246011-50		L2246011-20		L2244887-51	
DATE			8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
			0-8'		0-8'		0-8'		1-9'		0-8'		0-8'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry														
Corrosivity (pH)	S.U.	pH <2 or pH > 12	8.5		8.4		8.4		8.2		8.1		7.8	
Cyanide, Reactive	mg/kg	250	10	U	10	U	10	U	10	U	10	U	10	U
Sulfide, Reactive	mg/kg	500	10	U	10	U	10	U	10	U	10	U	10	U
Ignitability	-	--	NI		NI		NI		NI		NI		NI	
Paint Filter Liquid	-	--	NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE		NEGATIVE	
Solids, Total	%	--	83.4		95.8		93.2		90.4		96.6		89.4	

SAMPLE LOCATION	Units	Part 375 Unrestricted Use Soil Cleanup Objectives	Part 375 Restricted Residential Use Soil Cleanup Objectives	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID				L2245374-22		L2244887-30		L2246011-18		L2246011-50		L2246011-20		L2244887-51	
DATE				8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
				0-8'		0-8'		0-8'		1-9'		0-8'		0-8'	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry															
Chromium, Hexavalent	mg/kg	1	22	0.444	J	0.835	U	0.408	J	0.232	J	0.621	J	0.403	J
Cyanide, Total	mg/kg	27	27	1.2	U	1	U	1.1	U	1.1	U	1	U	1.1	U

SAMPLE LOCATION	Units	New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID			L2245374-21		L2244887-29		L2246011-17		L2246011-49		L2246011-19		L2244887-50	
DATE			8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
			0-8'		0-8'		0-8'		1-9'		0-8'		0-8'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Extractable Petroleum Hydrocarbons (TPH)	mg/kg	5,100	796		51.7		505		282		24.3	U	38.3	

SAMPLE LOCATION	Units	New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-07		WC-08		WC-09		WC-10		WC-11		WC-12	
LAB SAMPLE ID			L2245374-21		L2244887-29		L2246011-17		L2246011-49		L2246011-19		L2244887-50	
DATE			8/22/2022		8/18/2022		8/24/2022		8/24/2022		8/24/2022		8/19/2022	
			2'		6'		1'		6'		6'		6'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Gasoline Range Organics (GRO)	mg/kg	5,100	0.89	J	1.1	J	1.4	J	0.9	J	1	J	1.4	J

Table Notes:

S.U.: Standard Units.

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).

mg/kg: Milligrams per kilograms.
--: No Guidance Value.
-: No unit.
NI: Non-Ignitable
N/A: Not Analyzed

Table 8 - Soil Waste Characterization Parameters
101 East 150th Street
Bronx, New York

SAMPLE LOCATION	Units	EPA RCRA Characteristic	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID			L2246011-22		L2244887-32		L2245374-36		L2249841-02		L2249841-04	
DATE			8/24/2022		8/18/2022		8/23/2022		9/13/2022		9/13/2022	
			0-10'		0-8'		0-8'		8-12.5'		8-13'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry												
Corrosivity (pH)	S.U.	pH <2 or pH > 12	8.2		8.4		7.2		7.4		7.4	
Cyanide, Reactive	mg/kg	250	10	U	10	U	10	U	10	U	10	U
Sulfide, Reactive	mg/kg	500	10	U	10	U	10	U	10	U	10	U
Ignitability	-	--	NI		NI		NI		NI		NI	
Paint Filter Liquid	-	--	NEGATIVE		NEGATIVE		NEGATIVE		N/A		N/A	
Solids, Total	%	--	91.4		96.4		96.2		73.2		85.3	

SAMPLE LOCATION	Units	Part 375 Unrestricted Use Soil Cleanup Objectives	Part 375 Restricted Residential Use Soil Cleanup Objectives	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID				L2246011-22		L2244887-32		L2245374-36		L2249841-02		L2249841-04	
DATE				8/24/2022		8/18/2022		8/23/2022		9/13/2022		9/13/2022	
				0-10'		0-8'		0-8'		8-12.5'		8-13'	
				Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
General Chemistry													
Chromium, Hexavalent	mg/kg	1	22	0.23	J	0.83	U	0.832	U	1.09	U	0.445	J
Cyanide, Total	mg/kg	27	27	1.1	U	1	U	1	U	1.3	U	1.1	U

SAMPLE LOCATION	Units	New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID			L2246011-21		L2244887-31		L2245374-35		L2249841-01		L2249841-03	
DATE			8/24/2022		8/18/2022		8/22/2022		9/13/2022		9/13/2022	
			0-10'		0-8'		0-8'		8-12.5'		8-13'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Extractable Petroleum Hydrocarbons (TPH)	mg/kg	5,100	51.1		41.8		23.5	U	31.4	U	27.2	U

SAMPLE LOCATION	Units	New Jersey Department of Environmetnal Protection Residential Soil Remediation Criteria	WC-13		WC-14		WC-15		WC-16		WC-17	
LAB SAMPLE ID			L2246011-21		L2244887-31		L2245374-35		L2249841-01		L2249841-03	
DATE			8/24/2022		8/18/2022		8/22/2022		9/13/2022		9/13/2022	
			1'		6'		6'		11'		10'	
			Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Gasoline Range Organics (GRO)	mg/kg	5,100	1.2	J	0.93	J	1.3	J	2.2		0.7	J

Table Notes:

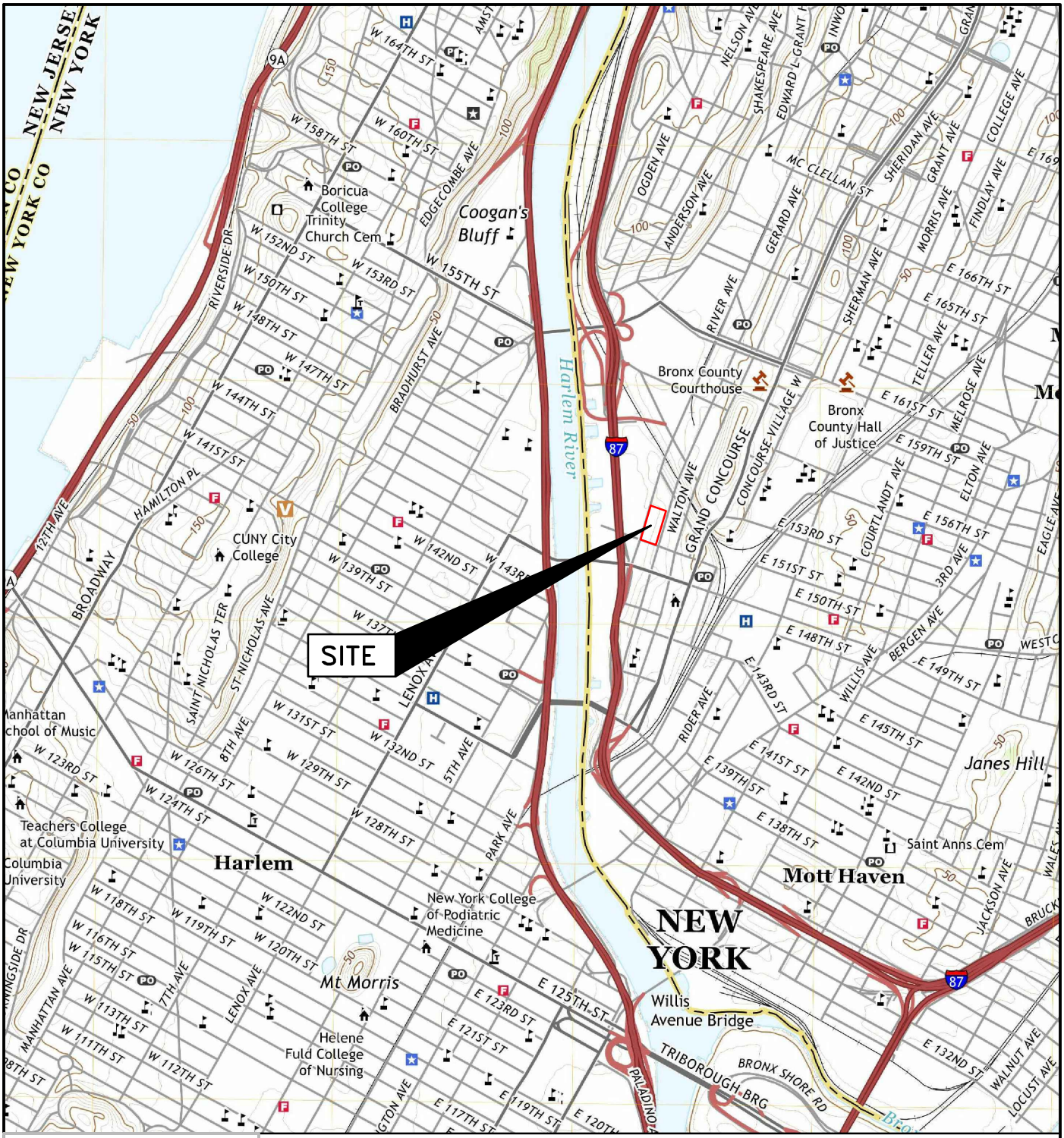
S.U.: Standard Units.

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

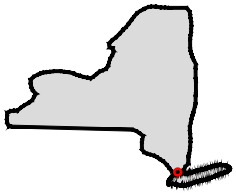
J: Estimated value. The analyte concentration is below the reporting limit (RL), but above the method detection limit (MDL) or estimated detection limit (EDL).

mg/kg: Milligrams per kilograms.
--: No Guidance Value.
-: No unit.
NI: Non-Ignitable
N/A: Not Analyzed

Figures



NEW YORK



QUADRANGLE LOCATION

SOURCE:

USGS TOPOGRAPHIC MAPS: CENTRAL PARK, NEW YORK, NEW JERSEY (2019). CONTOUR INTERVAL 10FT., NAVD-1988, ORIGINAL SCALE 1:24,000 (1IN.=2,000FT.).

N
W E
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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

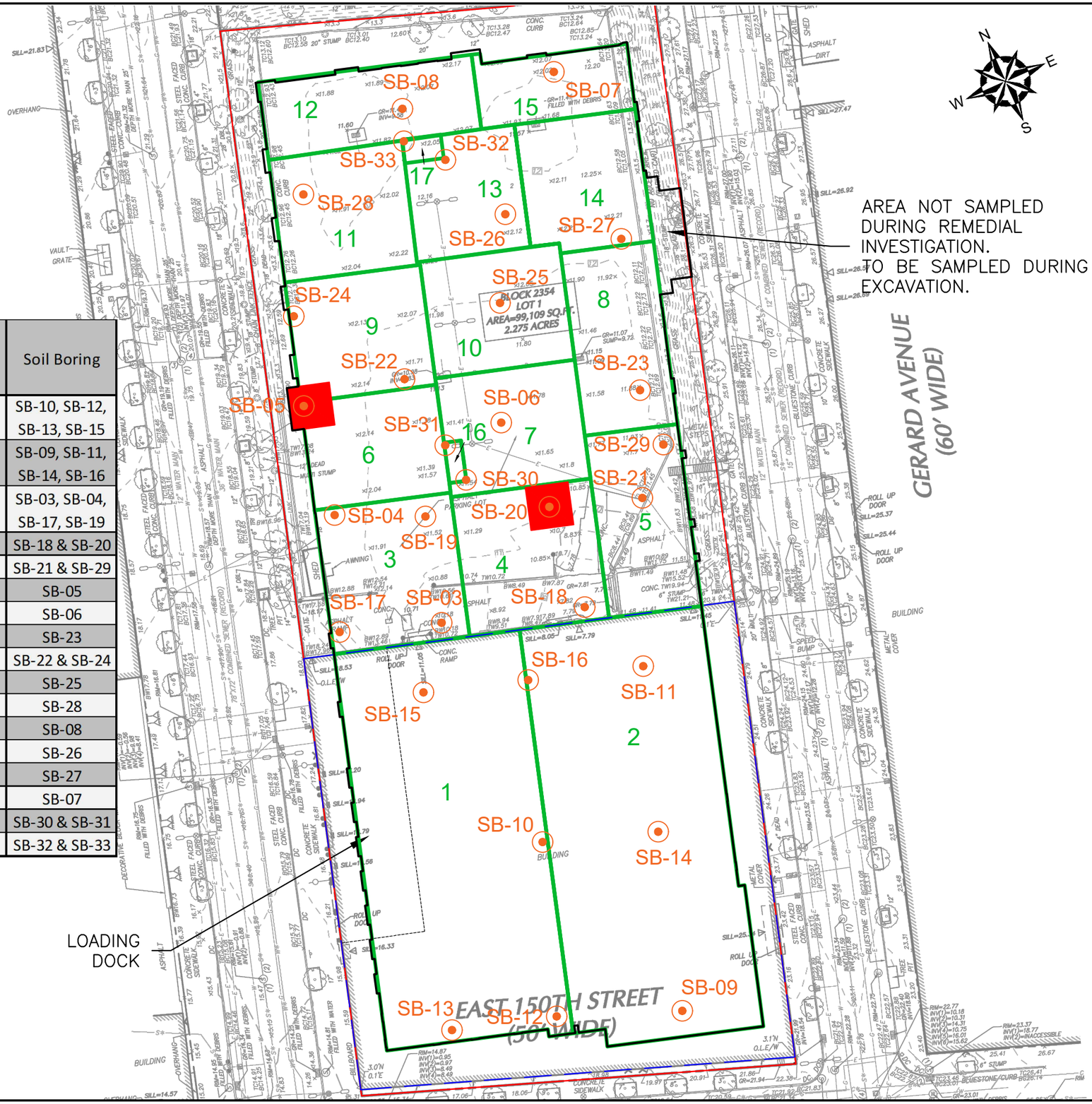
PREPARED BY:
GZA GeoEnvironmental of NY
Engineers and Scientists
www.gza.com

PREPARED FOR:
586 RIVER AVE., LLC

SITE LOCATION MAP

PROJ MGR: RM	REVIEWED BY: SK	CHECKED BY: SK	FIGURE 1
DESIGNED BY: RM	DRAWN BY: JB	SCALE: 1"=2000'	
DATE: NOVEMBER 2022	PROJECT NO. 41.0162951.10	REVISION NO. -	SHEET 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 Site Location and Site Plan.dwg [FIG 1 8.5x11] September 02, 2022 – 4:47pm jackson.bogach



Waste Characterization Grid	Soil Boring
WC-01	SB-10, SB-12, SB-13, SB-15
WC-02	SB-09, SB-11, SB-14, SB-16
WC-03	SB-03, SB-04, SB-17, SB-19
WC-04	SB-18 & SB-20
WC-05	SB-21 & SB-29
WC-06	SB-05
WC-07	SB-06
WC-08	SB-23
WC-09	SB-22 & SB-24
WC-10	SB-25
WC-11	SB-28
WC-12	SB-08
WC-13	SB-26
WC-14	SB-27
WC-15	SB-07
WC-16	SB-30 & SB-31
WC-17	SB-32 & SB-33

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).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- APPROXIMATE EXTENT OF EXCAVATION
- # — WASTE CHARACTERIZATION GRID – DENOTING AN AREA OF APPROXIMATELY 800 CUBIC YARDS OF EXCAVATED MATERIAL (EXCEPT ELEVATOR PIT AREAS, WHICH HAVE A REDUCED VOLUME, WC–16 AND WC–17)
- SB-# — APPROXIMATE WASTE CHARACTERIZATION SAMPLE LOCATION
- HOTSPOT EXCAVATION LOCATION (APPROXIMATELY 75 CUBIC YARDS EACH)

0 25 50 100
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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586 RIVER AVENUE
BRONX, NY 10451

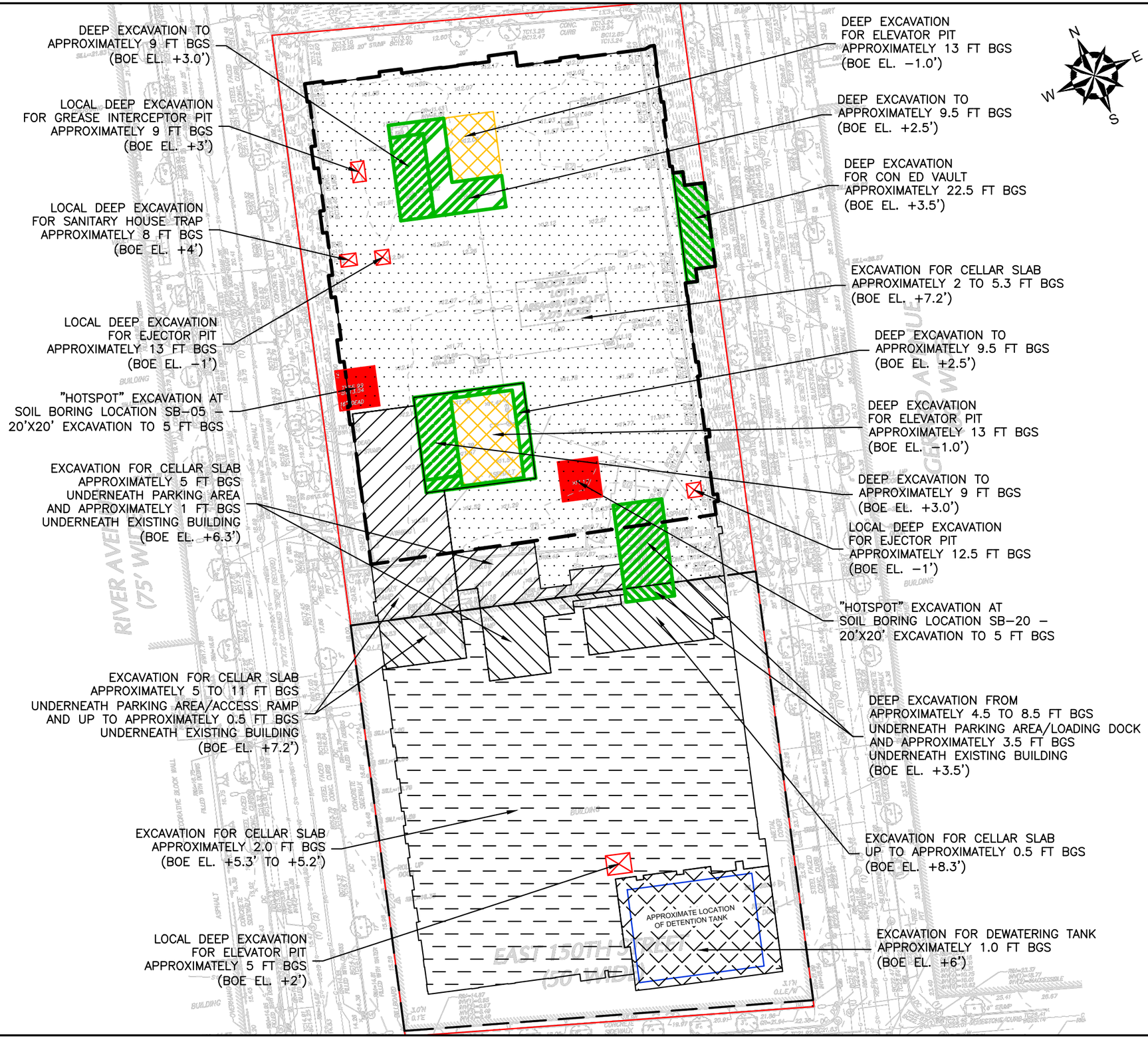
WASTE CHARACTERIZATION SAMPLE LOCATION MAP

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	FIGURE 2
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: NOVEMBER 2022	PROJECT NO. 41.0162951.10	REVISION NO. -	SHEET NO.

©2021 – GZA GeoEnvironmental of NY.
GZA–J:\Active 162900 to 162999\162951.00 – SA 101 East 150th St Environmental\Drawings\GZA CAD\41.0162951.WasteChar.dwg [FIG 2 – 17x11] November 11, 2022 – 11:45am jackson.bogach



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 AND "ZONING FLOOR PLAN – CELLAR", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$""=1'0", DATED SEPTEMBER 9, 2022.
2. PROPOSED DETENTION TANK POSITION AND GEOMETRY OBTAINED FROM DRAWINGS SKN−1 AND SKN−2 PREPARED BY PHILIP HABIB & ASSOCAITES, DATED JULY 27, 2022. REVISED GEOMETRY AND POSITION PRESENTED ON THIS DRAWING IS IN ACCORDANCE WITH PROPOSED CHANGES BY GZA AND CONFIRMED DURING A MEETING ON AUGUST 31, 2022.
3. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF PROPOSED EXCAVATIONS 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.
4. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LOCATION OF ON−SITE DETENTION TANK
- EXTENT OF PLANNED EXCAVATION DURING INTERIM REMEDIAL MEASURE
- APPROXIMATE LIMITS OF EXISTING BUILDING – TO BE DEMOLISHED
- HOTSPOT EXCAVATION LOCATION

0 25 50 100
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

SITE EXCAVATION 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 3
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=50'	
DATE: NOVEMBER 2022	PROJECT NO. 41.0162951.10	REVISION NO. -	SHEET 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 RAWP.dwg [FIG 10 – EXC PLAN IRM] October 28, 2022 – 1:20pm jackson.bogach

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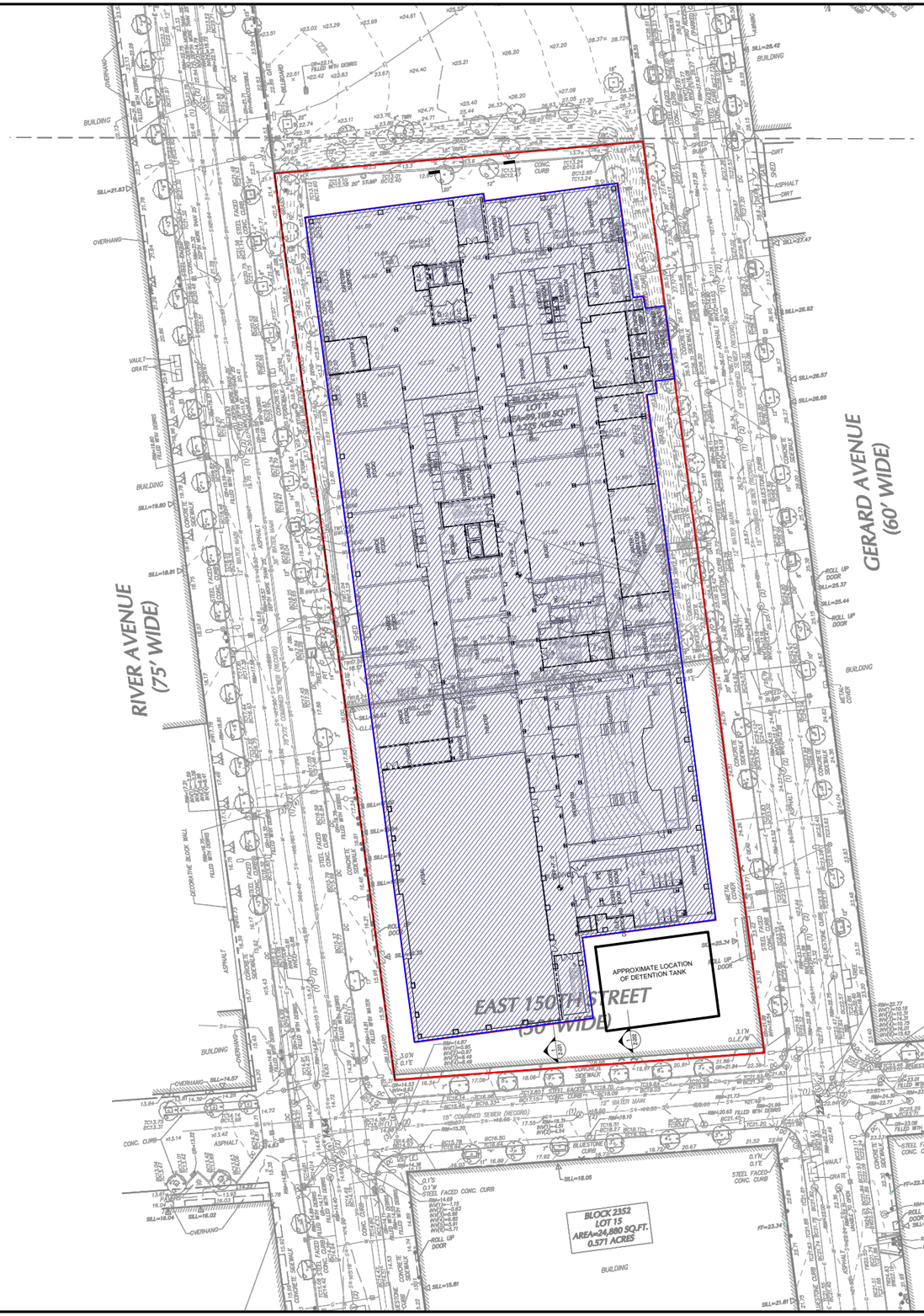
GZA–J:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Site Location and Site Plan.dwg [FIG 5 – REDEV] September 30, 2022 – 9:21am jackson.bogach



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 AND "ZONING FLOOR PLAN – CELLAR", PREPARED BY "SKIDMORE, OWINGS & MERRILL LLP", ORIGINAL SCALE $\frac{1}{16}$""=1'0", DATED SEPTEMBER 9, 2022.
2. PROPOSED DETENTION TANK POSITION AND GEOMETRY OBTAINED FROM DRAWINGS SKN–1 AND SKN–2 PREPARED BY PHILIP HABIB & ASSOCAITES, DATED JULY 27, 2022. REVISED GEOMETRY AND POSITION PRESENTED ON THIS DRAWING IS IN ACCORDANCE WITH PROPOSED CHANGES BY GZA AND CONFIRMED DURING A MEETING ON AUGUST 31, 2022.
3. THE PURPOSE OF THIS DRAWING IS TO LOCATE, DESCRIBE, AND REPRESENT THE POSITIONS OF SITE REDEVELOPMENT 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.
4. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF PROPOSED BUILDING
- APPROXIMATE LOCATION OF ON–SITE DETENTION TANK

0 35 70 140
SCALE IN FEET

NO.	ISSUE/DESCRIPTION	BY	DATE

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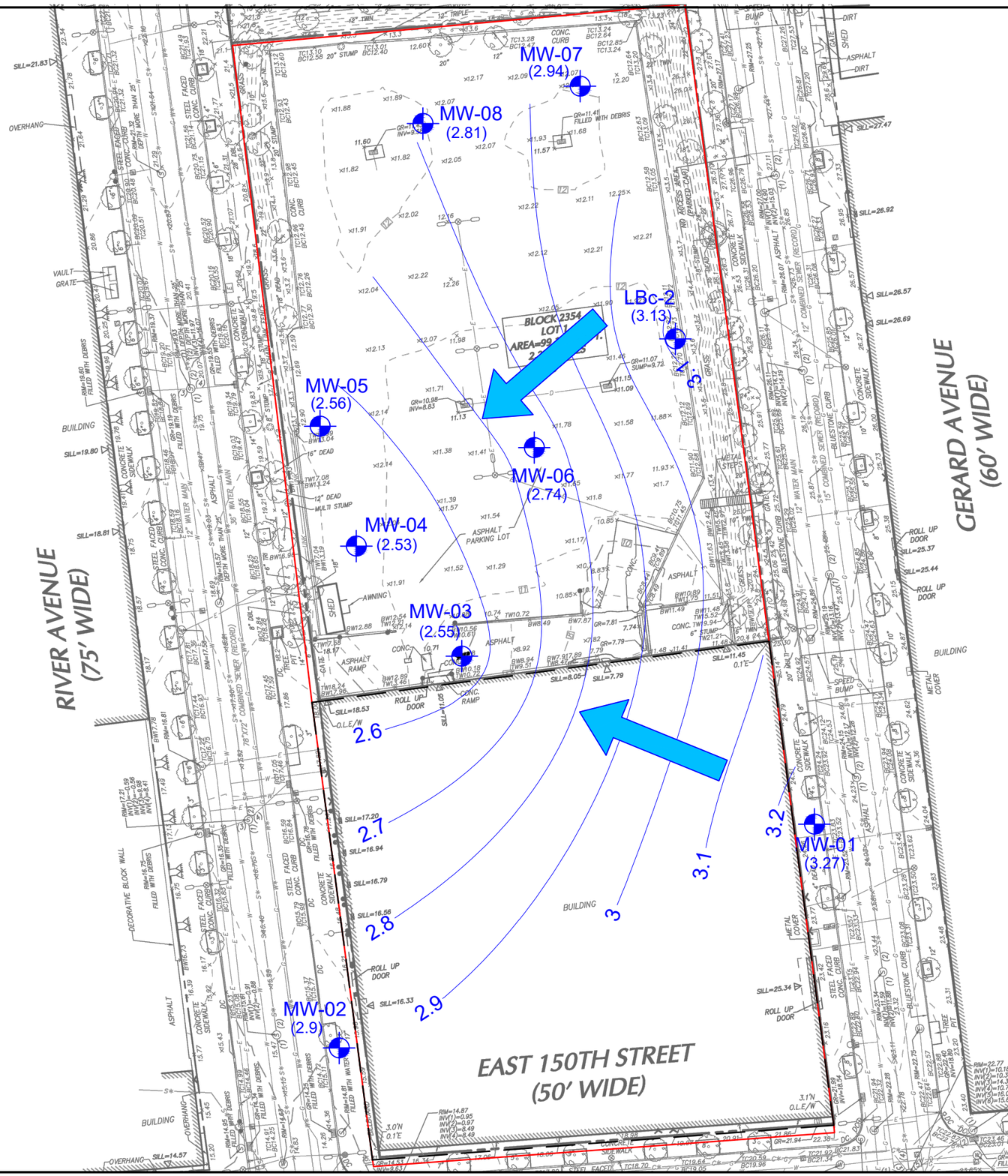
101 EAST 150TH STREET
BRONX, NEW YORK, 10451

REDEVELOPMENT PLAN

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

PROJ MGR: RPM	REVIEWED BY: PRM	CHECKED BY: SMK	FIGURE
DESIGNED BY: RPM	DRAWN BY: JHB	SCALE: 1"=70'	4
DATE: NOVEMBER 2022	PROJECT NO. 41.0162951.10	REVISION NO. -	SHEET NO.



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 AND ESTIMATED GROUNDWATER CONTOURS 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. GROUNDWATER ELEVATIONS WERE TAKEN BY GZA PERSONNEL USING AN OIL/WATER INTERFACE PROBE ON SEPTEMBER 15, 2022.
4. GROUNDWATER CONTOURS WERE DEVELOPED USING SURFER® SOFTWARE.
5. ALL ELEVATIONS GIVEN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

LEGEND

- APPROXIMATE SITE BOUNDARY
- APPROXIMATE LIMITS OF EXISTING BUILDING
- MW-# — APPROXIMATE PERMANENT MONITORING WELL LOCATION
- (2.94) — GROUNDWATER ELEVATION USED TO DEVELOP GROUNDWATER CONTOUR (NAVD 88)
- INFERRED GROUNDWATER FLOW DIRECTION
- 3.1 — GROUNDWATER CONTOUR WITH RELATED ELEVATION (NAVD 88)

NO.	ISSUE/DESCRIPTION	BY	DATE

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101 EAST 150TH STREET
BRONX, NEW YORK, 10451

GROUNDWATER CONTOUR MAP
(SEPTEMBER 2022)

PREPARED BY: GZA GeoEnvironmental of NY Engineers and Scientists www.gza.com	PREPARED FOR: 586 RIVER AVE., LLC
PROJ MGR: RPM	REVIEWED BY: SMK
DESIGNED BY: RPM	DRAWN BY: JHB
DATE: NOVEMBER 2022	PROJECT NO. 41.0162951.10
CHECKED BY: SMK	SCALE: 1"=50'
REVISION NO. -	FIGURE 5 SHEET NO.

©2021 – GZA GeoEnvironmental of NY.
G:\Active 162900 to 162999\162951.10 – SA 101 East 150th St BCP Application\Drawings\GZA CAD\41.0162951.10 Water Elevation Contour.dwg [FIG 2 – 17x11] September 22, 2022 – 4:35pm jackson.bogach

Appendix A - Limitations

USE OF REPORT

1. GZA GeoEnvironmental, Inc. (GZA) prepared this report on behalf of, and for the exclusive use of our Client for the stated purpose(s) and location(s) identified in the Proposal for Services and/or Report. Use of this report, in whole or in part, at other locations, or for other purposes, may lead to inappropriate conclusions; and we do not accept any responsibility for the consequences of such use(s). Further, reliance by any party not expressly identified in the agreement, for any use, without our prior written permission, shall be at that party's sole risk, and without any liability to GZA.

STANDARD OF CARE

2. GZA's findings and conclusions are based on the work conducted as part of the Scope of Services set forth in the Proposal for Services and/or Report and reflect our professional judgment. These findings and conclusions must be considered not as scientific or engineering certainties, but rather as our professional opinions concerning the limited data gathered during the course of our work. Conditions other than described in this report may be found at the subject location(s).

3. GZA's services were performed using the degree of skill and care ordinarily exercised by qualified professionals performing the same type of services, at the same time, under similar conditions, at the same or a similar property. No warranty, expressed or implied, is made. Specifically, GZA does not and cannot represent that the Site contains no hazardous material, oil, or other latent condition beyond that observed by GZA during its study. Additionally, GZA makes no warranty that any response action or recommended action will achieve all of its objectives or that the findings of this study will be upheld by a local, state or federal agency.

4. In conducting our work, GZA relied upon certain information made available by public agencies, Client and/or others. GZA did not attempt to independently verify the accuracy or completeness of that information. Inconsistencies in this information which we have noted, if any, are discussed in the Report.

SUBSURFACE CONDITIONS

5. The generalized soil profile(s) provided in our Report are based on widely-spaced subsurface explorations and are intended only to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and were based on our assessment of subsurface conditions. The composition of strata, and the transitions between strata, may be more variable and more complex than indicated. For more specific information on soil conditions at a specific location refer to the exploration logs. The nature and extent of variations between these explorations may not become evident until further exploration or construction. If variations or other latent conditions then become evident, it will be necessary to reevaluate the conclusions and recommendations of this report.

6. Water level readings have been made, as described in this Report, in and monitoring wells at the specified times and under the stated conditions. These data have been reviewed and interpretations have been made in this report. Fluctuations in the level of the groundwater however occur due to temporal or spatial variations in areal recharge rates, soil heterogeneities, the presence of subsurface utilities, and/or natural or artificially induced perturbations. The observed water table may be other than indicated in the Report.

COMPLIANCE WITH CODES AND REGULATIONS

7. We used reasonable care in identifying and interpreting applicable codes and regulations necessary to execute our scope of work. These codes and regulations are subject to various, and possibly contradictory, interpretations. Interpretations and compliance with codes and regulations by other parties is beyond our control.

SCREENING AND ANALYTICAL TESTING

8. GZA collected environmental samples at the locations identified in the Report. These samples were analyzed for the specific parameters identified in the report. Additional constituents, for which analyses were not conducted, may be present in soil, groundwater, surface water, sediment and/or air. Future Site activities and uses may result in a requirement for additional testing.

9. Our interpretation of field screening and laboratory data is presented in the Report. Unless otherwise noted, we relied upon the laboratory's QA/QC program to validate these data.

10. Variations in the types and concentrations of contaminants observed at a given location or time may occur due to release mechanisms, disposal practices, changes in flow paths, and/or the influence of various physical, chemical, biological or radiological processes. Subsequently observed concentrations may be other than indicated in the Report.

INTERPRETATION OF DATA

11. Our opinions are based on available information as described in the Report, and on our professional judgment. Additional observations made over time, and/or space, may not support the opinions provided in the Report.

ADDITIONAL INFORMATION

12. In the event that the Client or others authorized to use this report obtain additional information on environmental or hazardous waste issues at the Site not contained in this report, such information shall be brought to GZA's attention forthwith. GZA will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this report.

ADDITIONAL SERVICES

13. GZA recommends that we be retained to provide services during any future investigations, design, implementation activities, construction, and/or property development/ redevelopment at the Site. This will allow us the opportunity to: i) observe conditions and compliance with our design concepts and opinions; ii) allow for changes in the event that conditions are other than anticipated; iii) provide modifications to our design; and iv) assess the consequences of changes in technologies and/or regulations.

Appendix B – Site Photographs

GZA GeoEnvironmental of New York

SITE PHOTOGRAPHS

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, New York 10451	41.0162951.10

Photo No.:	Date:
1	8/15/2022

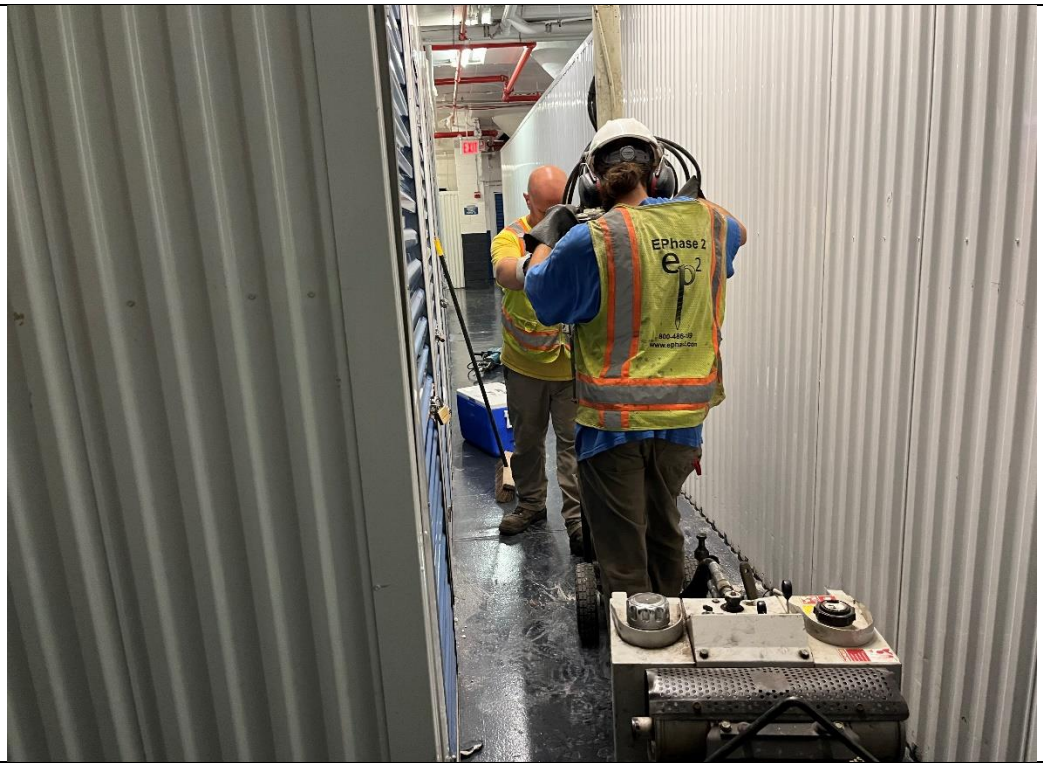
Direction Photo Taken:
North

Description:
Ephase2 mobilizing Geoprobe 420 M in the building interior

Photo No.:	Date:
2	8/15/2022

Location of Photo Taken:
West

Description:
Ephase2 using the Geoprobe to drill a soil boring location in the interior of the building.



GZA GeoEnvironmental of New York

SITE PHOTOGRAPHS

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, New York 10451	41.0162951.10

Photo No.:	Date:
3	8/15/2022

Direction Photo Taken:
N/A

Description:
View of soil boring from SB-09.

Photo No.:	Date:
4	8/18/2022

Direction Photo Taken:
North

Description:
Aquifer Drilling and Testing on Site with a Geoprobe rig to continue work outside of the building.

GZA GeoEnvironmental of New York

SITE PHOTOGRAPHS

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, New York 10451	41.0162951.10

Photo No.:	Date:
5	8/18/2022

Direction Photo Taken:
N/A

Description:
View of soil from boring SB-21.

Photo No.:	Date:
6	8/19/2022

Direction Photo Taken:
North

Description:
ADT on Site with a Sonic Rig to install permanent wells and complete soil borings.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, New York 10451	41.0162951.10

Photo No.:	Date:
7	8/19/2022

Direction Photo Taken:
N/A

Description:
View of soil from boring SB-05.

Photo No.:	Date:
8	9/13/2022

Direction Photo Taken:
Northeast

Description:
Clean Globe Environmental, Inc. on Site with a Geoprobe rig to continue work outside of the building.

Client Name:	Site Location:	Project No.:
586 River Ave., LLC	101 East 150th Street, Bronx, New York 10451	41.0162951.10

Photo No.:	Date:
9	9/13/2022

Direction Photo Taken:
West

Description:
View of Soil from SB-31.

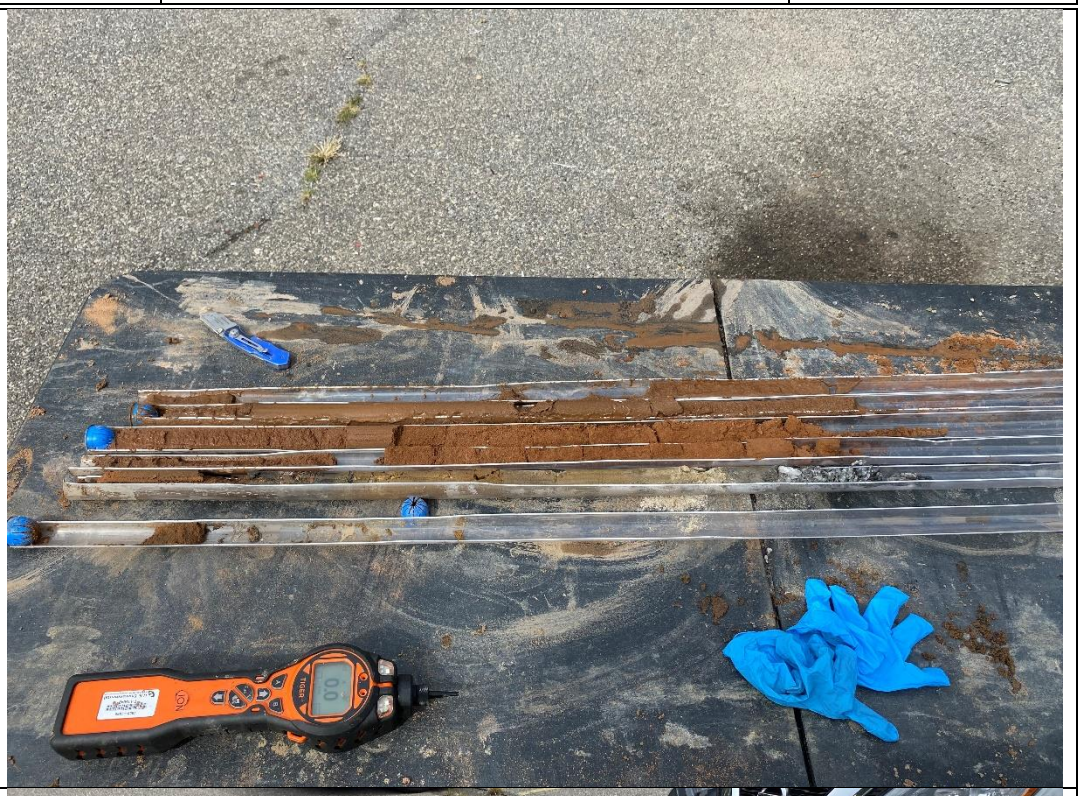


Photo No.:	Date:
10	9/13/2022

Direction Photo Taken:
Northeast

Description:
Soil boring locations were patched up after completed and backfilled.

Appendix C – Soil Boring Logs

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-01
SHEET: 1 of 2
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/23/2022 **Finish:** 8/23/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 24.37
Final Boring Depth (ft.): 30

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238199.732
Easting: 1003965.668

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/60		1 : 0-6" Concrete 6-12" Grey, coarse GRAVEl, little brown Sand 12-60" Brown, SAND, little Gravel, trace brick and ash		23.87	CONCRETE	0.5
2									
3				PID = 0					
4									
5									
6	2	5.0-10.0	60/38		2 : 0-38" Brown, SAND, little Gravel, trace brick and ash. Boulder encountered at approximately 8.5 ft bgs.			FILL	
7									
8				PID = 0.3					
9									
10							14.37		10
11	3	10.0-15.0	60/16		3 : 0-10" ROCK (schist) 10-16" Grey, m-c SAND and GRAVEL, little Silt		13.37	ROCK	11
12									
13				PID = 0				SAND AND GRAVEL	
14									
15							9.37		15
16	4	15.0-20.0	60/60	PID = 0.1	4 : 0-4" Grey, coarse Gravel, some Sand 4-9" Brown, SILT, some coarse Gravel, little Sand 9-60" Brown, f-c SAND, little Silt, trace Gravel, dry	1	9.07 8.62	GRAVEL SILT	15.3 15.75
17									
18				PID = 0.2				SAND	
19									
20									

REMARKS

1 - Rock layer prevented large recovery from sample No. 3.
2 - Groundwater observed at approximately 20 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-01

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:24 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-01
SHEET: 2 of 2
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/23/2022 **Finish:** 8/23/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 24.37
Final Boring Depth (ft.): 30

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238199.732
Easting: 1003965.668

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
21	5	20.0-25.0	60/48		5 : 0-9" Brown, f-c SAND, little Silt, trace Gravel, very wet 9-48" Brown, f-c SAND, little Silt, trace Gravel, moist	2			
22									
23				PID = 0.1					
24									
25									
26	6	25.0-30.0	60/53		6 : 0-53" Brown, f-c SAND, little Silt, trace Gravel, moist			SAND	
27									
28				PID = 0.1					
29									
30							-5.63		30
31					End of exploration at 30 feet.				
32									
33									
34									
35									
36									
37									
38									
39									
40									

REMARKS

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-01

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:24 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-02
SHEET: 1 of 2
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 16.34
Final Boring Depth (ft.): 30

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238190.135
Easting: 1003744.997

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/60		1 : 0-5" Concrete 5-60" Brown, f-c SAND, some Gravel, trace brick, ash, and organic material		15.94	CONCRETE	0.4
2									
3				PID = 0					
4									
5									
6	2	5.0-10.0	60/30		2 : 0-30" Brown, f-c SAND, some coarse Gravel and Rock, little brick, trace organic material			FILL	
7									
8				PID = 0.3					
9									
10									
11	3	10.0-15.0	60/33	PID = 0	3 : 0-6" Brown, f-c SAND, some coarse Gravel and Rock, little brick, trace organic material 6-11" Reddish brown, ROCK, little Sand 11-22" Brown, f-c SAND, some Gravel, trace brick 22-28" Brown, f-c SAND, little Silt, trace Gravel, moist		3.84		12.5
12								SAND	
13				PID = 0	28-33" Dark brown, Sandy SILT, little organic material, moist				
14							2.34		14
15				PID = 0.3		1		SANDY SILT	
16	4	15.0-20.0	60/58		4 : 0-4" Dark brown, Sandy SILT, little organic material, moist 4-31" Brown, f-m SAND, little Silt, very wet 31-58" Brown, f-c SAND, little Silt, moist	2	1.04		15.3
17									
18				PID = 0.1				SAND	
19									
20									

REMARKS

1 - Slight odor encoutered.
2 - Groundwater observed at approximately 15 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-02

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:25 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-02
SHEET: 2 of 2
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 16.34
Final Boring Depth (ft.): 30

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238190.135
Easting: 1003744.997

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
21	5	20.0-25.0	60/26		5 : 0-26" Brown, m-c SAND, little Silt, very wet				
22									
23				PID = 0					
24									
25								SAND	
26	6	25.0-30.0	60/60		6 : 0-40" Brown, m-c SAND, little Silt, very wet 40-52" Brown, Sandy SILT, very wet 52-60" Brown, m-c SAND, little Silt, moist				
27									
28				PID = 0			-11.96		28.3
29							-12.96	SANDY SILT	29.3
30							-13.66	SAND	30
31					End of exploration at 30 feet.				
32									
33									
34									
35									
36									
37									
38									
39									
40									

REMARKS

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-02

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:25 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-03
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/22/2022 **Finish:** 8/22/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 10.86
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238330.321
Easting: 1003854.082

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/42		1 : 0-12" Concrete 12-42" Brown, f-c SAND, little Gravel, trace brick and ash		9.86	ASPHALT	1
2									
3				PID = 0					
4								FILL	
5									
6	2	5.0-10.0	60/45	PID = 0.1	2 : 0-7" Brown, f-c SAND, little Gravel, trace brick and ash 7-38" Brown, SAND, little Silt, moist		4.86		6
7					38-45" Brown, SAND, little Silt, wet				
8				PID = 0.1					
9									
10						1			
11	3	10.0-15.0	60/55		3 : 0-18" Brown, SAND, little Silt, very wet 18-55" Brown, SAND, little Silt, moist				
12								SAND	
13				PID = 0					
14									
15									
16	4	15.0-18.0	36/36		4 : 0-36" Brown, m-c SAND, trace Silt, wet				
17				PID = 0					
18							-7.14		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-03

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:26 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-04
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc
Foreman: D. Johnson
Date Start: 8/22/2022 **Finish:** 8/22/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 12.63
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238393.374
Easting: 1003831.271

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/42		1 : 0-10" Asphalt 10-23" Brown, coarse SAND, little f-c Gravel, trace ash and brick 12-28" Light grey, SAND, some coarse Gravel, metal pieces 28-42" Brown, f-c SAND, little Gravel, trace brick, ash, and organic material		11.83	ASPHALT	0.8
2									
3				PID = 0					
4									
5								FILL	
6	2	5.0-10.0	60/45	PID = 0	2 : 0-12" Brown, f-c SAND, little Gravel, trace brick, ash, and organic material 12-27" Light grey, SAND, some Gravel 27-45" Brown, SAND, little Silt, moist from 9-10 ft bgs				
7							5.13		7.5
8				PID = 0.1					
9									
10						1			
11	3	10.0-15.0	60/58	PID = 0.1	3 : 0-8" Light grey, coarse SAND, little Gravel 8-14" Brown, f-c SAND, trace Gravel, moist 14-47" Brown, f-c SAND, little Silt, very wet 47-58" Grey, coarse SAND, trace Gravel, moist				
12									
13				PID = 0				SAND	
14									
15				PID = 0.2					
16	4	15.0-18.0	36/36	PID = 0	4 : 0-36" Brown and light grey, m-c SAND, trace Gravel, trace Silt, moist				
17						2			
18				PID = 1.5			-5.37		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.
2 - Slight petroleum odor from 16.5 to 18 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-04

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:26 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-05
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/19/2022 **Finish:** 8/19/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 12.80
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238448.101
Easting: 1003838.181

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
0	1	0.0-5.0	60/41		1 : 0-5" Concrete		12.3	ASPHALT	0.5
1				PID = 0	5-21" Dark brown, m-c SAND, some Gravel, trace brick and ash				
2					21-38" Brown, f-c SAND, little coarse Gravel, trace brick				
3				PID = 0.1	38-41" Gray, coarse SAND, some Gravel				
4								FILL	
5									
6	2	5.0-10.0	60/47	PID = 0	2 : 0-6" Gray, coarse SAND, some Gravel 6-14" Light brown, f-c SAND, little fine Gravel				
7					14-24" Dark brown, f-c SAND, little Silt 24-47" Brown, SAND, little Silt, slightly moist		6.3		6.5
8									
9				PID = 0					
10									
11	3	10.0-15.0	60/44		3 : 0-30" Brown, f-c SAND, little Silt, wet 30-44" Gray, f-c SAND, little Silt, wet	1			
12									
13								SAND	
14				PID = 0.4					
15									
16	4	15.0-18.0	36/36		4 : 0-24" Light brown, m-c SAND, little Silt, loose, wet 24-36" Brown, m-c SAND, little Silt, wet				
17				PID = 0.4		2			
18							-5.2		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 10 ft bgs.
2 - Slight petroleum odor encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-05

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:26 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-06
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/22/2022 **Finish:** 8/22/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 11.75
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238401.174
Easting: 1003920.431

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
0	1	0.0-5.0	60/44		1 : 0-5" Concrete		11.25	ASPHALT	0.5
1				PID = 0	5-11" Grey, coarse SAND, some Gravel, trace brick and ash				
2					11-44" Brown, f-m SAND, little Gravel, trace brick, ash, and organic material				
3								FILL	
4				PID = 0.1					
5									
6	2	5.0-10.0	60/43		2 : 0-9" Brown, f-m SAND, little Gravel, trace brick, ash, and organic material		5.75		6
7					9-43" Brown, f-c SAND, little Silt, moist from 8-10 ft bgs				
8				PID = 0		1			
9									
10									
11	3	10.0-15.0	60/55		3 : 0-8" Brown, f-c SAND, little Silt, moist				
					8-35" Dark brown, f-c SAND, little Silt, very wet				
12				PID = 0.7	35-55" Dark grey, m-c SAND, moist	2		SAND	
13									
14				PID = 1.3					
15									
16	4	15.0-18.0	36/36		4 : 0-19" 35-55" Dark grey, m-c SAND, moist				
					19-25" Brown, f-c SAND, little Silt, very wet				
17				PID = 1.3	25-36" Grey, f-c SAND, trace Gravel	3			
18							-6.25		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 8 ft bgs.
2 - Slight petroleum odor encountered.
3 - Slight petroleum odor encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-06

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:27 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-07
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/23/2022 **Finish:** 8/23/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 12.14
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238538.275
Easting: 1004003.439

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/47		1 : 0-10" Asphalt 10-37" Brown and light grey, SAND, some Gravel, trace brick 37-47" Brown, m-c SAND, trace Silt, dry		11.34	ASPHALT	0.8
2								FILL	
3				PID = 0.1			8.94		3.2
4									
5									
6	2	5.0-10.0	60/50	PID = 0	2 : 0-5" Grey, coarse SAND little Gravel 5-50" Brown, f-c SAND, little Silt, moist from 8-10 ft bgs				
7									
8				PID = 0.1					
9									
10						1			
11	3	10.0-15.0	60/54		3 : 0-6" Brown, coarse SAND, some coarse grey Gravel, moist 6-20" Brown, m-c SAND, little Silt, very wet 20-54" Brown, f-c SAND, little Silt, moist			SAND	
12									
13				PID = 0.1					
14									
15									
16	4	15.0-18.0	36/36		4 : 0-23" Brown, fine SAND, some Silt, very wet 23-36" Brown, fine SAND, some Silt, moist				
17				PID = 0.4					
18							-5.86		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-07

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:27 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-08
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/19/2022 **Finish:** 8/19/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.): 12.01
Final Boring Depth (ft.): 18

H. Datum: NAD 83
V. Datum: NAVD 88
Northing: 238551.322
Easting: 1003933.618

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/42		1 : 0-7" Ashpalt 7-35" Brown, SAND, some Gravel, little Silt 35-42" Black, SAND, some Gravel, little Silt		11.31	ASPHALT	0.7
2				PID = 0.1					
3								FILL	
4				PID = 0.2					
5									
6	2	5.0-10.0	60/42	PID = 0.3	2 : 0-10" Black, SAND, some Gravel, little Silt 10-42" Brown, f-m SAND, some Silt, trace Gravel		6.01		6
7									
8									
9				PID = 0					
10									
11	3	10.0-15.0	60/53		3 : 0-53" Brown, f-m SAND, some Silt	1			
12								SAND	
13				PID = 0					
14									
15									
16	4	15.0-18.0	36/36		4 : 0-44" Brown, f-m SAND, some Silt				
17				PID = 0					
18							-5.99		18
19					End of exploration at 18 feet.				
20									

REMARKS

1 - Groundwater observed at approximately 10 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-08

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:27 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-09
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/15/2022**Finish:** 8/15/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/36	PID = 0	1 : 0-10" Concrete 10-12" Dark grey and black GRAVEL, little white Rock and Sand 12-36" Brown, Silty SAND, little Gravel, trace ash	5.25		CONCRETE	0.83
2								FILL	
3				PID = 0					
4	2	3.0-6.0	36/36	PID = 0.4	2 : 0-4" Brown, Silty SAND, little Gravel, trace ash and brick 4-12" Brown, Silty SAND, some Gravel 12-36" Brown, f-c SAND, some Silt, moist				4
5				PID = 0.5					
6	3	6.0-9.0	36/36	PID = 0.3	3 : 0-8" Brown, f-c SAND, some Silt, trace Gravel, moist 8-28" Brown, f-c SAND, trace Gravel, wet				
7				PID = 0.7	28-36" Brown, SAND, trace Gravel, moist				
8									
9	4	9.0-12.0	36/36		4 : 0-28" Brown, SAND, trace Gravel, moist			SAND	
10				PID = 0	28-36" Brown, SAND, trace Gravel, wet				
11									
12	5	12.0-15.0	36/36		5 : 0-24" Brown, SAND, trace Gravel, moist 24-36" Dark grey and brown, f-c SAND, wet				
13									
14				PID = 0					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

5.25 - Groundwater depth measured at 5.24 ft bgs in temporary monitoring well.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-09

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:27 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-10
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/16/2022**Finish:** 8/16/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/36	PID = 0	1 : 0-8" Concrete 8-16" Black, coarse SAND, trace brown Sand 16-36" Brown, Silty SAND, trace Gravel, trace ash			CONCRETE	0.7
2								FILL	
3				PID = 0					
4	2	3.0-6.0	36/36	PID = 0.4	2 : 0-4" Brown and Black, SAND, some Gravel 4-10" Brown and Grey, SAND				3.8
5				PID = 0.2	10-26" Brown, m-c SAND 26-36" Brown, m-c SAND, moist				
6				PID = 0.4		1			
7	3	6.0-9.0	36/36		3 : 0-36" Brown, m-c SAND, very wet				
8				PID = 0					
9									
10	4	9.0-12.0	36/36		4 : 0-17" Brown, m-c SAND, very wet 17-36" Brown, coarse SAND, some Gravel, moist			SAND	
11				PID = 0					
12									
13	5	12.0-15.0	36/36		5 : 0-10" Brown, f-c SAND, very wet 10-36" Brown, m-c SAND, trace Gravel, moist				
14				PID = 0					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at 5.2 ft bgs in temporary monitoring well.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-10

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:28 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-11
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/16/2022**Finish:** 8/16/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/20	PID = 0	1 : 0-6" Concrete 6-9" Black and tan, SAND, some coarse Gravel 9-20" Brown, f-c SAND, little white Sand and Gravel, little Ash			CONCRETE	0.7
2								FILL	
3				PID = 0.3					3.3
4	2	3.0-6.0	36/36	PID = 0	2 : 0-4" Brown, SAND, little Gravel 4-7" White and grey, SAND, some Gravel				
5				PID = 0.2	7-25" Brown, f-c SAND, trace Gravel, moist 25-36" Brown, f-c SAND, trace Gravel, very wet	1			
6									
7	3	6.0-9.0	36/36	PID = 0.1	3 : 0-36" Brown, m-c SAND, little Gravel			SAND	
8									
9									9
10	4	9.0-12.0	36/36	PID = 0.1	4 : 0-22" Brown, Silty SAND, trace Gravel, very wet 22-36" Brown, m-c SAND, little dark grey Sand and Gravel, moist			SILTY SAND	
11									10.8
12				PID = 0.1					
13	5	12.0-15.0	36/36		5 : 0-36" Brown, f-c SAND, little Gravel, very wet			SAND	
14				PID = 0.1					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater measured at 5 ft bgs in temporary monitoring well.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-11

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:28 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-12
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/16/2022**Finish:** 8/16/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/36	PID = 0	1 : 0-8" Concrete 8-12" Black and dark grey, SAND and GRAVEL 12-36" Brown, f-c SAND, little Gravel, trace ash			CONCRETE	0.7
2								FILL	
3				PID = 0					3.3
4	2	3.0-6.0	36/36		2 : 0-4" Brown, f-c SAND, little Gravel, trace ash 4-8" Grey, SAND, little Gravel 8-28" Brown, f-m SAND				
5					28-36" Brown, f-m SAND, moist			SAND	
6				PID = 0.1		1			6
7	3	6.0-9.0	36/36	PID = 0.3	3 : 0-3" Grey, SAND and GRAVEL, dry 3-36" Brown, SAND, moist			SAND AND GRAVEL	6.25
8				PID = 0.1					
9	4	9.0-12.0	36/36		4 : 0-36" Brown, SAND, moist to wet				
10									
11				PID = 0.1				SAND	
12	5	12.0-15.0	36/36		5 : 0-36" Brown, SAND, little Gravel, loose, very wet				
13									
14				PID = 0.1					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-12

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:28 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-13
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/17/2022**Finish:** 8/17/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/26	PID = 0	1 : 0-6" Concrete 6-10" Black and grey, coarse SAND and GRAVEL, trace ash 10-26" Brown, m-c SAND, little Gravel, trace ash			CONCRETE	0.7
2								FILL	
3				PID = 0.2					3.25
4	2	3.0-6.0	36/36	PID = 0.8	2 : 0-3" Brown, m-c SAND, little Gravel, trace ash 3-7" Grey, SAND, some Gravel and coarse brown Sand 7-17" Brown, f-c SAND, moist, loose			SAND	4.4
5				PID = 0.4	17-32" Dark brown, Silty SAND, wet 32-36" Brown, SAND, trace Gravel, moist	1		SILTY SAND	5.7
6								SAND	6.25
7	3	6.0-9.0	36/36	PID = 0.4	3 : 0-3" Brown, SAND, trace Gravel, moist 3-7" Grey, GRAVEL, some m-c Sand, dry 7-36" Brown, SAND, loose, very wet			GRAVEL	6.6
8									
9									
10	4	9.0-12.0	36/36		4 : 0-36" Brown, f-m SAND, very wet				
11				PID = 0.1				SAND	
12									
13	5	12.0-15.0	36/36		5 : 0-36" Brown, m-c SAND, trace Gravel, wet				
14				PID = 0.2					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 4.5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-13

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:29 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-14
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/15/2022**Finish:** 8/15/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/36		1 : 0-10" Concrete			CONCRETE	0.83
					10-14" Black, f-c GRAVEL, some Sand				
2				PID = 0.6	14-36" Brown, Silty SAND, trace ash			FILL	
3				PID = 0.1					
	2	3.0-6.0	36/36	PID = 0.3	2 : 0-6" Brown, Silty SAND, trace ash				3.5
4					6-8" Grey, SAND, trace Gravel				
				PID = 0.4	8-36" Brown, f-c SAND, moist from 16-36"				
5									
				PID = 0					
6									
	3	6.0-9.0	36/36		3 : 0-4" Brown, SAND, trace Gravel			SAND	
7					4-6" Grey, m-c SAND				
					6-36" Brown, SAND, little Gravel, moist	1			
8				PID = 0.1		2			
9									9.3
	4	9.0-12.0	36/36		4 : 0-4" Brown, SAND, very wet			GRAVEL	9.7
10					4-8" Grey, coarse GRAVEL, very wet				
					8-36" Brown, SAND, very wet				
11				PID = 0.2				SAND	
12									12
	5	12.0-15.0	36/36		5 : 0-36" Brown, Silty SAND, very wet				
13									
				PID = 0.1				SILTY SAND	
14									
15									15
					End of exploration at 15 feet.				
16									
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 7 ft bgs.
2 - Refusal encountered at 8 ft bgs at original boring location. Boring was offset approximately 5-feet to the west.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-14

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:29 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-15
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/17/2022**Finish:** 8/17/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/28	PID = 0	1 : 0-8" Concrete 8-11" Black, SAND, some Gravel 11-28" Brown, SAND, some Silt, trace ash	1		CONCRETE	0.7
2								FILL	
3	2	3.0-6.0	36/28	PID = 0	2 : 0-3" Brown, SAND, little Silt 3-6" Grey, SAND, some Gravel 6-36" Brown, SAND, some Silt				3.25
4								SAND	
5									
6									6
7	3	6.0-9.0	36/36	PID = 0	3 : 0-2" Grey, SAND and coarse GRAVEL 2-36" Brown, SAND, some Silt			SAND AND GRAVEL	6.17
8									
9									
10	4	9.0-12.0	36/36	PID = 0	4 : 0-36" Brown, SAND, some Silt				
11								SAND	
12									
13	5	12.0-15.0	36/36	PID = 0	5 : 0-36" Brown, SAND, little Silt				
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-15

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:30 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-16
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: EPhase 2, LLC
Foreman: L. Reiss
Date Start:8/16/2022**Finish:** 8/16/2022

Type of Drill Rig: GeoProbe
Rig Model: 420M
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 36

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-3.0	36/36	PID = 0	1 : 0-8" Concrete 8-12" Dark grey, coarse SAND, some Gravel 12-36" Brown, SAND, trace coarse white Sand, trace Gravel, trace ash			CONCRETE	0.7
2								FILL	
3				PID = 0.3					3.25
4	2	3.0-6.0	36/36	PID = 0.2	2 : 0-3" Brown, SAND, trace coarse white Sand, trace Gravel, trace ash 3-7" Grey, coarse SAND and Gravel 7-29" Brown, SAND, moist			SAND AND GRAVEL	3.6
5				PID = 0.1	29-36" Brown, SAND, wet				
6						1			
7	3	6.0-9.0	36/36		3 : 0-36" Brown, SAND, wet				
8				PID = 0.1					
9									
10	4	9.0-12.0	36/36		4 : 0-16" Brown, SAND, very wet 16-36" Brown, SAND, moist			SAND	
11				PID = 0					
12									
13	5	12.0-15.0	36/36		5 : 0-36" Brown, SAND, little Gravel, wet				
14				PID = 0.2					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 5.5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-16

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:30 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-17
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/25/2022 **Finish:** 8/25/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/36	PID = 0	S-1 : 0-3" Asphalt 4-7" Concrete 8-36" Brown and black, fine to medium SAND, some Gravel, little Silt, trace brick			ASPHALT CONCRETE FILL	0.2 0.5
5	S-2	5.0-10.0	60/48	PID = 0	S-2 : 0-7" Slough 8-48" Brown, fine to medium SAND, some Silt, trace Gravel				5
10	S-3	10.0-15.0	60/57	PID = 0	S-3 : 0-3" Brown, fine to medium SAND, some Silt, trace Gravel 4-6" Grey, ROCK 7-57" Brown, fine to medium SAND, some Silt	1		SAND	
15					End of exploration at 15 feet.				15
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-17

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:30 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-18
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: R. Allegrezza
Date Start: 8/18/2022 **Finish:** 8/18/2022

Type of Drill Rig: GeoProbe
Rig Model: 7720DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/35		1 : 0-5" Asphalt 5-11" Concrete 11-14" Brown, SAND, some tan Sand, trace brick and ash 14-35" Brown, SAND, little Silt, dry			ASPHALT CONCRETE FILL	0.5 1 1.5
2									
3				PID = 0					
4									
5									
6	2	5.0-10.0	60/51		2 : 0-7" Brown, SAND, little Silt, dry 7-51" Brown, f-c SAND, trace grey Gravel, wet	1		SAND	
7									
8				PID = 0					
9									
10									10.25
11	3	10.0-15.0	60/33		3 : 0-3" Brown, f-c SAND, trace grey Gravel, wet 3-6" Grey, fractured ROCK, dry 6-33" Brown, f-c SAND, little Silt, trace Gravel, wet			ROCK	10.75
12									
13								SAND	
14				PID = 0.1					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 6 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-18

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:30 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-19
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start:8/25/2022 **Finish:** 8/25/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/38		S-1 : 0-2" Concrete 3-5" Tan and red, fine to coarse SAND, some Gravel, trace brick 6-33" Black, fine to coarse SAND, some Gravel, little Silt, trace brick 34-38" Brown, fine to medium SAND, some Silt, little Gravel			ASPHALT	0.2
2				PID = 3.7					
3				PID = 55.5				SILT	
4				PID = 86.1					
5				PID = 10.1					5
6	S-2	5.0-10.0	60/39	PID = 81.1	S-2 : 0-8" Slough 9-39" Brown, fine to medium SAND, some Silt				
7				PID = 4.1					
8									
9				PID = 8		1			
10	S-3	10.0-15.0	60/60		S-3 : 0-5" Black, fine to medium SAND, some Silt			SAND	
11				PID = 4.7	6-60" Brown, fine to medium SAND, little Silt				
12									
13				PID = 0.5					
14									
15				PID = 3.5	End of exploration at 15 feet.				15
16									
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-19

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:31 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-20
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: R. Allegrezza
Date Start: 8/18/2022 **Finish:** 8/18/2022

Type of Drill Rig: GeoProbe
Rig Model: 7720DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/36		1 : 0-7" Asphalt			ASPHALT	0.7
2					7-31" Brown, f-c SAND, little coarse Gravel, little black coarse Sand, trace brick				
3				PID = 1	31-36" Brown, m-c SAND, little Silt			FILL	
4									4
5				PID = 0.1					
6	2	5.0-10.0	60/43		2 : 0-8" Brown, m-c SAND, little Silt				
7				PID = 0.2	8-12" Grey, coarse SAND, little Gravel				
8					12-31" Brown, m-c SAND, trace Silt				
9				PID = 0.1	31-43" Brown, m-c SAND, trace Silt, wet	1		SAND	
10									
11	3	10.0-15.0	60/60		3 : 0-12" Brown, m-c SAND, trace Silt, trace black gravel, wet				
12					12-14" Brown, m-c SAND, trace Silt, trace black gravel, very wet				
13				PID = 0.3	14-60" Brown, m-c SAND, trace Silt, trace black gravel, very wet				
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-20

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:31 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-21
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: R. Allegrezza
Date Start: 8/18/2022 **Finish:** 8/18/2022

Type of Drill Rig: GeoProbe
Rig Model: 7720DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/35		1 : 0-8" Asphalt 8-35" Brown, f-c SAND, little grey Sand and Gravel, trace brick and ash			ASPHALT	0.7
2									
3				PID = 0.1				FILL	
4									
5									
6	2	5.0-10.0	60/40		2 : 0-10" Brown, f-c SAND, little grey Sand and Gravel, trace brick and ash 10-40" Brown, SAND, little Silt, moist from 9-10 ft bgs				6
7									
8				PID = 0.2					
9									
10						1			
11	3	10.0-15.0	60/60		3 : 0-12" Brown, SAND, little Silt, trace coarse grey Gravel, moist 12-14" Brown, SAND, little Silt, trace coarse grey Gravel, very wet 14-60" Brown, SAND, little Silt, trace coarse grey Gravel, moist			SAND	
12									
13				PID = 0.2					
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-21

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:31 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-22
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/46		1 : 0-7" Asphalt 7-46" Brown, m-c SAND, some Gravel, trace grey coarse Sand, trace brick and ash			ASPHALT	0.6
2				PID = 0				FILL	
3									
4									
5									
6	2	5.0-10.0	60/43		2 : 0-5" Brown, m-c SAND, some Gravel, trace grey coarse Sand, trace brick and ash 5-32" Brown, SAND, little Silt 32-43" Brown, SAND, little Silt, moist				5.5
7								SAND	
8				PID = 0					
9									
10						1			
11	3	10.0-15.0	60/55		3 : 0-3" Brown, SAND, little Silt, moist 3-22" Brown, Silty SAND, very wet 22-55" Grey, m-c SAND, loose, moist				10.3
12				PID = 0				SILTY SAND	
13									12.3
14				PID = 0.4		2		SAND	
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.
2 - Slight odor enountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-22

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:32 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-23
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: R. Allegrezza
Date Start: 8/18/2022 **Finish:** 8/18/2022

Type of Drill Rig: GeoProbe
Rig Model: 7720DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/38	PID = 0.4	1 : 0-8" Asphalt 8-19" Grey and brown, coarse SAND, some coarse Gravel, trace brick 19-38" Brown and black, SAND, some Gravel, trace ash and organic material			ASPHALT	0.7
2								FILL	
3									
4				PID = 0.8					
5	2	5.0-10.0	60/44	PID = 0.1	2 : 0-5" Grey, coarse SAND, little Gravel 5-38" Brown, SAND, little Silt, moist to wet 38-44" Black, m-c SAND, wet				5.5
6									
7									
8				PID = 4					
9									
10	3	10.0-15.0	60/45	PID = 695	3 : 0-9" Brown, coarse SAND, little grey Gravel, dry 9-45" Dark grey, m-c SAND, little Silt, very wet	1 2		SAND	
11				PID = 8.3		3			
12									
13									
14				PID = 291					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater encountered at approximately 9.5 ft bgs.
2 - Heavy petroleum odor and staining encountered.
3 - Slight petroleum odor encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-23

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:32 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-24
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/49		1 : 0-5" Concrete			ASPHALT	0.4
					5-26" Grey, m-c SAND, some Gravel, trace ash and organic material				
2					26-49" Brown, f-c SAND, some Gravel, trace brick				
3				PID = 0.1				FILL	
4									
5									5.5
	2	5.0-10.0	60/45		2 : 0-6" Brown, f-c SAND, some Gravel, trace brick				
6					6-39" Brown, SAND, little Silt				
7					39-45" Brown, SAND, little Silt, moist				
8				PID = 0.1				SAND	
9									
10						1			10
	3	10.0-15.0	60/55		3 : 0-24" Brown, Silty SAND, very wet				
11				PID = 0.1	24-55" Brown, m-c SAND, moist			SILTY SAND	
12									12
13									
14				PID = 0.3				SAND	
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-24

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:32 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-25
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/25/2022 **Finish:** 8/25/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/46		S-1 : 0-2" Concrete/Asphalt			CONCRETE/ASPHALT	0.2
2					3-28" Brown, fine to coarse SAND, some Gravel, little Silt, trace brick				
					29-36" White, ROCK				
					37-46" Black, fine to medium SAND, little Silt, trace Gravel, trace ash				
3				PID = 0.1				FILL	
4									
5				PID = 0					5
	S-2	5.0-10.0	60/32		S-2 : 0-32" Brown, fine to medium SAND, some Silt				
6									
7									
8									
9									
10						1		SAND	
	S-3	10.0-15.0	60/58		S-3 : 0-8" Slough				
11					9-34" Brown, fine to medium SAND, some Silt				
					35-37" Black, fine to medium SAND, some Silt				
12				PID = 9.6	48-58" Black and Grey, fine to medium SAND, some Silt				
13									
14				PID = 0.9					
15									15
					End of exploration at 15 feet.				
16									
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-25

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:33 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-26
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/52		1 : 0-10" Concrete 10-47" Brown and grey, f-c SAND, some Gravel, trace brick and ash 47-55" Brown, SAND, little Silt, dry			ASPHALT	0.8
2								FILL	
3				PID = 0.1					
4									4
5				PID = 0					
6	2	5.0-10.0	60/47	PID = 0.1	2 : 0-7" Brown, SAND, little Silt, dry 7-11" Grey, coarse SAND, little Gravel, dry 11-47" Brown, SAND, little Silt, moist at 9.5 ft bgs				
7									
8									
9				PID = 0					
10	3	10.0-15.0	60/47		3 : 0-13" Brown, SAND, little Silt, very wet 13-47" Brown, SAND, little Silt, moist	1		SAND	
11									
12									
13				PID = 0					
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater encountered at approximately 9.5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-26

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:33 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-27
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: R. Allegrezza
Date Start: 8/18/2022 **Finish:** 8/18/2022

Type of Drill Rig: GeoProbe
Rig Model: 7720DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/25		1 : 0-8" Asphalt 8-25" Brown, m-c SAND, little Gravel, trace brick and ash			ASPHALT	0.7
2									
3				PID = 0					
4								FILL	
5									
6	2	5.0-10.0	60/22		2 : 0-14" Brown, m-c SAND, little Gravel, trace brick and ash 14-18" Brown, f-c SAND 18-22" Brown, SAND, little Silt, wet				6.5
7				PID = 0.1		1			
8								SAND	
9									
10				PID = 1.7		2			10.25
	3	10.0-15.0	60/42		3 : 0-3" Brown, SAND, little Silt, moist				
11				PID = 3.6	3-11" Grey, fractured ROCK, dry 11-42" Brown, f-c SAND, little Silt			ROCK	11.25
12									
13						3		SAND	
14				PID = 1.4					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Slight odor and staining encountered.
2 - Groundwater observed at approximately 9.5 ft bgs. Slight odor and staining encountered at groundwater table.
3 - Slight odor and staining encoutered to bottom of boring.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-27

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:33 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-28
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: J. Bogach
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/24/2022 **Finish:** 8/24/2022

Type of Drill Rig: GeoProbe
Rig Model: 8140LC
Drilling Method: Sonic
Auger/Casing O.D./I.D. Dia (in.): 4

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: S
Sampler O.D. (in.): 4.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	1	0.0-5.0	60/42		1 : 0-8" Asphalt 8-42" Light grey and brown, m-c SAND, some Gravel, trace brick and organic material			ASPHALT	0.7
2									
3				PID = 0.1				FILL	
4									
5									
6	2	5.0-10.0	60/40		2 : 0-6" Light grey and brown, m-c SAND, some Gravel, trace brick and organic material 6-36" Brown, SAND, little Silt 36-40" Brown, SAND, little Silt, moist				5.5
7									
8				PID = 0					
9									
10						1			
11	3	10.0-15.0	60/49		3 : 0-11" Brown, m-c SAND, little Silt, very wet 11-49" Brown, m-c SAND, little Silt, moist			SAND	
12									
13				PID = 0					
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 9.5 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-28

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:33 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-29
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Aquifer Drilling and Testing, Inc.
Foreman: D. Johnson
Date Start: 8/25/2022 **Finish:** 8/25/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/37		S-1 : 0-6" Concrete 7-28" Brown, fine to medium SAND, some Gravel, trace Silt, trace glass and brick			CONCRETE	0.5
2				PID = 0.1	29-31" Quartz ROCK				
3					32-37" Brown, fine to coarse SAND, some Gravel, little Silt, trace brick			FILL	
4									
5									5
6	S-2	5.0-10.0	60/42	PID = 0.1	S-2 : 0-8" Slough 9-42" Brown, fine to medium SAND, some Silt				
7									
8									
9				PID = 0.2					
10									
11	S-3	10.0-15.0	60/41	PID = 6	S-3 : 0-8" Brown, fine to medium SAND, some Silt 9-34" Grey, fine to medium SAND, some Silt 35-41" Brown, fine to medium SAND, some Silt	1		SAND	
12									
13				PID = 5.7					
14				PID = 18.8					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater observed at approximately 10 ft bgs.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-29

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:34 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-30
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Clean Globe Environmental, LLC
Foreman: E. Leon
Date Start:9/13/2022**Finish:** 9/13/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/47	PID = 0	S-1 : 0-2" Asphalt 3-30" Black-Red Fine to Coarse SAND, some Gravel, trace Silt (brick fill) 31-47" Black-Brown Fine to Medium SAND, trace Silt			ASPHALT	0.3
2									
3								FILL	
4									4
5									
6	S-2	5.0-10.0	60/29		S-2 : 0-29" Brown Fine to Medium SAND, little Silt				
7									
8				PID = 5.5		1			
9									
10								SAND	
11	S-3	10.0-15.0	60/32	PID = 11.6	S-3 : 0-9" Brown Fine to Medium SAND, little Silt 10-32" Black Fine to Medium SAND, little Silt				
12									
13									
14				PID = 3.2					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-30

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:34 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-31
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Clean Globe Environmental, LLC
Foreman: E. Leon
Date Start:9/13/2022**Finish:** 9/13/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/46		S-1 : 0-4" Asphalt			ASPHALT	0.4
2					5-38" Black-Brown Fine to Medium SAND, some Gravel, trace Silt (Brick and Concrete Fill)				
3					39-46" Brown Fine to Medium SAND, little Silt, trace Gravel			FILL	
4				PID = 0.3					
5									4.5
6	S-2	5.0-10.0	60/40		S-2 : 0-40" Brown Fine to Medium SAND, little Silt				
7				PID = 0.3					
8				PID = 3.4					
9				PID = 9					
10						1		SAND	
11	S-3	10.0-15.0	60/43	PID = 3.1	S-3 : 0-5" Brown Fine to Medium SAND, little Silt 6-35" Black Stained Brown Fine to Medium SAND, little Silt 36-43" Brown Fine to Medium SAND, some Silt				
12				PID = 2.3					
13									
14				PID = 2.7					
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-31

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:34 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-32
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Clean Globe Environmental, LLC
Foreman: E. Leon
Date Start:9/13/2022**Finish:** 9/13/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/32	PID = 0	S-1 : 0-3" Asphalt 4-26" Brown to Black Fine to Medium SAND, some Gravel (Brick and Asphalt fill)			ASPHALT	0.2
2					27-32" Brown to Black Fine to Medium SAND, little Gravel, little Silt			FILL	
3									
4									4
5				PID = 0					
6	S-2	5.0-10.0	60/37		S-2 : 0-37" Brown Fine to Medium SAND, little Silt				
7									
8									
9				PID = 0.1		1			
10								SAND	
11	S-3	10.0-15.0	60/32	PID = 0.1	S-3 : 0-32" Brown Fine to Medium SAND, little Silt				
12									
13									
14									
15				PID = 0					15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-32

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:35 PM

BORING LOG

GZA GeoEnvironmental of New York
Proactive by Design

586 River Ave., LLC
101 E. 150th St
Bronx, NY, 10451

EXPLORATION NO.: SB-33
SHEET: 1 of 1
PROJECT NO: 41.0162951.10
CHECKED BY: S. Kline

Logged By: M. Frey
Drilling Co.: Clean Globe Environmental, LLC
Foreman: E. Leon
Date Start:9/13/2022**Finish:** 9/13/2022

Type of Drill Rig: GeoProbe
Rig Model: 7822DT
Drilling Method: DP
Auger/Casing O.D./I.D. Dia (in.): 2

Boring Location: See plan
Ground Surface Elevation (ft.):
Final Boring Depth (ft.): 15

H. Datum: NAD 83
V. Datum: NAVD 88
Northing:
Easting:

Sampler Type: M
Sampler O.D. (in.): 2.0
Sampler Length (in.): 60

Sampler used throughout unless otherwise noted on the log.

Depth (ft)	Sample No.	Sample Depth (ft.)	Sample Pen./ Rec.	Sample PID (ppm)	Sample Description Modified Burmister	Remark	Elev. (ft.)	Profile Description (NYCBC)	Depth (ft.)
1	S-1	0.0-5.0	60/38	PID = 0	S-1 : 0-6" Asphalt 7-19" Tan Fine to Coarse SAND, some Gravel, trace Silt (Brick fill) 20-31" Brown to Black Fine to Coarse SAND, some Gravel, trace Silt (Brick fill) 32-38" Brown Fine to Medium SAND, little Silt			ASPHALT	0.5
2									
3								FILL	
4									
5									4.5
6	S-2	5.0-10.0	60/36	PID = 0	S-2 : 0-36" Brown Fine to Medium SAND, little Silt				
7									
8						1			
9									
10	S-3	10.0-15.0	60/37	PID = 0	S-3 : 0-37" Brown Fine to Medium SAND, little Silt			SAND	
11									
12									
13									
14									
15									15
16					End of exploration at 15 feet.				
17									
18									
19									
20									

REMARKS

1 - Groundwater Encountered.

Field Screening performed with PID equipped with a 10.6 eV lamp calibrated to a 100 ppm isobutylene standard.
All depth measurements are approximate. Stratification lines represent approximate boundary between soil types, transitions may be gradual. Water level readings have been made at times and under conditions stated.
Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

SB-33

BORING LOG GZA ENV-NO GW; 10/12/2022; 4:15:35 PM

Appendix D – Laboratory Reports

ANALYTICAL REPORT

Lab Number:	L2243951
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	101 E 151ST STREET RI
Project Number:	41.0162951.10
Report Date:	09/06/22

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2243951-01	SB-09 (2')	SOIL	Not Specified	08/15/22 12:10	08/15/22
L2243951-02	SB-09 (0-2')	SOIL	Not Specified	08/15/22 12:10	08/15/22
L2243951-03	SB-09 (6')	SOIL	Not Specified	08/15/22 12:20	08/15/22
L2243951-04	SB-09 (5-7')	SOIL	Not Specified	08/15/22 12:20	08/15/22
L2243951-05	SB-14 (1')	SOIL	Not Specified	08/15/22 14:30	08/15/22
L2243951-06	SB-14 (0-2')	SOIL	Not Specified	08/15/22 14:30	08/15/22
L2243951-07	SB-14 (6')	SOIL	Not Specified	08/15/22 14:45	08/15/22
L2243951-08	SB-14 (4-6')	SOIL	Not Specified	08/15/22 14:45	08/15/22
L2243951-09	TRIP BLANK-01	WATER	Not Specified	08/15/22 00:00	08/15/22
L2243951-10	DUP-SOIL-8.15.22	SOIL	Not Specified	08/15/22 00:00	08/15/22
L2243951-11	WC-02 (1')	SOIL	Not Specified	08/15/22 14:00	08/15/22
L2243951-12	WC-02	SOIL	Not Specified	08/15/22 14:00	08/15/22
L2243951-13	TMW-09	WATER	Not Specified	08/15/22 15:00	08/15/22
L2243951-14	FIELD BLANK	WATER	Not Specified	08/15/22 16:00	08/15/22
L2243951-15	SB-10 (1')	SOIL	Not Specified	08/16/22 09:20	08/16/22
L2243951-16	SB-10 (0-2')	SOIL	Not Specified	08/16/22 09:20	08/16/22
L2243951-17	SB-10 (5')	SOIL	Not Specified	08/16/22 09:30	08/16/22
L2243951-18	SB-10 (3-5')	SOIL	Not Specified	08/16/22 09:30	08/16/22
L2243951-19	SB-9 (0-2')	SOIL	Not Specified	08/15/22 08:45	08/16/22
L2243951-20	SB-11 (1')	SOIL	Not Specified	08/16/22 10:35	08/16/22
L2243951-21	SB-11 (0-2')	SOIL	Not Specified	08/16/22 10:35	08/16/22
L2243951-22	SB-11 (4')	SOIL	Not Specified	08/16/22 10:45	08/16/22
L2243951-23	SB-11 (3-5')	SOIL	Not Specified	08/16/22 10:45	08/16/22
L2243951-24	TRIP BLANK-02	WATER	Not Specified	08/16/22 00:00	08/16/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2243951-25	SB-16 (2')	SOIL	Not Specified	08/16/22 12:20	08/16/22
L2243951-26	SB-16 (0-2')	SOIL	Not Specified	08/16/22 12:20	08/16/22
L2243951-27	SB-12 (1')	SOIL	Not Specified	08/16/22 14:05	08/16/22
L2243951-28	SB-12 (0-2')	SOIL	Not Specified	08/16/22 14:05	08/16/22
L2243951-29	SB-12 (4')	SOIL	Not Specified	08/16/22 14:15	08/16/22
L2243951-30	SB-12 (3-5')	SOIL	Not Specified	08/16/22 14:15	08/16/22
L2243951-31	SB-16 (5')	SOIL	Not Specified	08/16/22 12:30	08/16/22
L2243951-32	SB-16 (3-5')	SOIL	Not Specified	08/16/22 12:30	08/16/22
L2243951-33	SB-09 (5-7')	SOIL	Not Specified	08/15/22 12:20	08/16/22
L2243951-34	TMW-10	WATER	Not Specified	08/16/22 11:00	08/16/22
L2243951-35	TMW-11	WATER	Not Specified	08/16/22 13:16	08/16/22
L2243951-36	FIELD BLANK GW	WATER	Not Specified	08/16/22 14:05	08/16/22
L2243951-37	SB-13 (1')	SOIL	Not Specified	08/17/22 09:20	08/17/22
L2243951-38	SB-13 (0-2')	SOIL	Not Specified	08/17/22 09:20	08/17/22
L2243951-39	SB-13 (4')	SOIL	Not Specified	08/17/22 09:30	08/17/22
L2243951-40	SB-13 (3-5')	SOIL	Not Specified	08/17/22 09:30	08/17/22
L2243951-41	SB-15 (2')	SOIL	Not Specified	08/17/22 10:35	08/17/22
L2243951-42	SB-15 (0-2')	SOIL	Not Specified	08/17/22 10:35	08/17/22
L2243951-43	SB-15 (4')	SOIL	Not Specified	08/17/22 10:45	08/17/22
L2243951-44	SB-15 (3-5')	SOIL	Not Specified	08/17/22 10:45	08/17/22
L2243951-45	SOIL-FIELD BLANK-8/17/22	WATER	Not Specified	08/17/22 11:15	08/17/22
L2243951-46	TRIP BLANK-03	WATER	Not Specified	08/17/22 00:00	08/17/22
L2243951-47	WC-01 (2')	SOIL	Not Specified	08/17/22 10:55	08/17/22
L2243951-48	WC-01	SOIL	Not Specified	08/17/22 10:55	08/17/22
L2243951-49	SB-20 (1')	SOIL	Not Specified	08/18/22 08:50	08/18/22
L2243951-50	SB-20 (0-2')	SOIL	Not Specified	08/18/22 08:50	08/18/22
L2243951-51	SB-20 (6')	SOIL	Not Specified	08/18/22 08:55	08/18/22
L2243951-52	SB-20 (3-6')	SOIL	Not Specified	08/18/22 08:55	08/18/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2243951-53	SB-20 (9')	SOIL	Not Specified	08/18/22 09:00	08/18/22
L2243951-54	SB-20 (7-9')	SOIL	Not Specified	08/18/22 09:00	08/18/22
L2243951-55	LBC-2	WATER	Not Specified	08/19/22 12:15	08/19/22
L2243951-56	MW-8	WATER	Not Specified	08/22/22 10:00	08/22/22
L2243951-57	DUP-GW-8.22.22	WATER	Not Specified	08/22/22 00:00	08/22/22
L2243951-58	FIELD BLANK-GW-02	WATER	Not Specified	08/22/22 15:30	08/22/22
L2243951-59	FIELD BLANK-GW-01	WATER	Not Specified	08/24/22 16:00	08/24/22

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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.

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Case Narrative (continued)

Report Submission

September 06, 2022: This final report includes the results of all requested analyses.

August 31, 2022: This is a preliminary report.

August 29, 2022: This is a preliminary report.

August 25, 2022: This is a preliminary report.

August 25, 2022: This is a preliminary report.

August 23, 2022: This is a preliminary report.

August 22, 2022: This is a preliminary report.

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

Sample Receipt

L2243951-02: The analyses performed were specified by the client.

Semivolatile Organics

L2243951-50D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1677895-1 Method Blank, associated with L2243951-13, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1680454-1 Method Blank, associated with L2243951-56 and -57, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1681400-1 Method Blank, associated with L2243951-59, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1676574-2/-3 LCS/LCSD recoveries, associated with L2243951-38, -40, -42, and -44, 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.

The WG1677029-2/-3 LCS/LCSD recoveries, associated with L2243951-04, -08, and -10, are below the

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acceptance criteria for benzoic acid (0%/0%); however, it has been identified as a "difficult" analyte. The results of the associated samples are reported.

The WG1677089-2/-3 LCS/LCSD recoveries, associated with L2243951-02 and -06, 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.

The WG1677435-2/-3 LCS/LCSD recoveries, associated with L2243951-21, -23, -26, -28, and -30, 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.

The WG1677495-2/-3 LCS/LCSD recoveries, associated with L2243951-16, -18, -32, and -54, 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.

The WG1678664-2/-3 LCS/LCSD recoveries, associated with L2243951-50D and -52, 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.

The WG1680454-2/-3 LCS/LCSD recoveries, associated with L2243951-56 and -57, 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.

The WG1677435-4/-5 MS/MSD recoveries, performed on L2243951-26, 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.

The WG1680454-4/-5 MS/MSD recoveries, performed on L2243951-56, are below the acceptance criteria for benzidine (0%/0%), 3,3'-dichlorobenzidine (0%/0%), 3-nitroaniline (MSD at 0%), 4-nitroaniline (0%/0%), benzoic acid (0%/0%), and pyridine (MS at 0%), due to the concentrations of these compounds in the MS/MSD falling below the reported detection limits.

Semivolatile Organics by SIM

L2243951-55RE and -59: The sample has elevated detection limits due to limited sample volume available for

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analysis.

The WG1676600-1 Method Blank, associated with L2243951-45, has a concentration above the reporting limits for naphthalene; 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".

The WG1677869-1 Method Blank, associated with L2243951-13, 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 detected below the reporting limit are qualified with a "B".

The WG1678382-1 Method Blank, associated with L2243951-34 and -35, has a concentration above the reporting limit for benzo(b)fluoranthene. 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 WG1679871-1 Method Blank, associated with L2243951-55, has a concentration above the reporting limit for naphthalene. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported. The original sample result is reported with a "B" qualifier.

Perfluorinated Alkyl Acids by Isotope Dilution

L2243951-10, -16, -40, and -54: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2243951-10, -13, -16, -18, -19, -26, -32, -34, -35, -40, -54, -56 through -59, WG1675928-1, WG1676431-1, WG1676686-1, WG1677428-1, WG1677434-1, WG1675928-2, WG1676431-2, WG1676686-2, WG1677434-2, WG1676280-3, WG1676431-4, WG1678782-3, and WG1676280-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2243951-14 and -36: The Field Blank has a result for perfluorooctanesulfonic acid (pfos) present above the

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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. There is no remaining volume for re-extraction confirmation.
The WG1679728-1 Method Blank, associated with L2243951-59, has a concentration above the reporting limit for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts); however, re-extraction could not be performed due to lack of additional sample volume. The results of the original analyses are reported and are qualified with a "B".
The Extracted Internal Standard recovery for the WG1676431-1 Method Blank, associated with L2243951-16, -18, -19, -23, -26, -30, -32, and -33, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.
The Extracted Internal Standard recoveries for the WG1677434-1 Method Blank, associated with L2243951-54, are below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) and perfluoro[1,2-13C2]tetradecanoic acid (m2pfteda) (less than 10%); however, the associated sample is non-detect to the RL for all associated target analytes; therefore, no further action was taken.
The Extracted Internal Standard recovery for the WG1675928-2 LCS, associated with L2243951-08, -10, and -16, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (8%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.
The WG1676431-2 LCS recovery, associated with L2243951-16, -18, -19, -23, -26, -30, -32, and -33, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (138%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.
The Extracted Internal Standard recovery for the WG1676431-2 LCS, associated with L2243951-16, -18, -19, -23, -26, -30, -32, and -33, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (3%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

NJ EPH (Total)
WG1676950: A Matrix Spike and Laboratory Duplicate were prepared with the sample batch, however, the

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native sample was not available for reporting; therefore, the results could not be reported.
WG1677960: The Matrix Spike and Laboratory Duplicate required fractionation; therefore, the results are not reported for this analysis.

Total Metals
L2243951-02, -04, -06, -08, -10, -16, -18, -21, -23, -26, -28, -30, -32, -38, -40, -42, -44, -50, -52, and -54: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L2243951-45: The Field Blank has a result for copper 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 WG1678916-1 Method Blank, associated with L2243951-26, 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 WG1675740-3 MS recoveries for calcium (141%) and sodium (130%), performed on L2243951-13, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1676288-3 MS recovery, performed on L2243951-34, is outside the acceptance criteria for aluminum (166%). A post digestion spike was performed and yielded an unacceptable recovery of 16%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.
The WG1676288-3 MS recovery for sodium (0%), performed on L2243951-34, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1678618-3/-4 MS/MSD recoveries for calcium (240%/230%), magnesium (161%/159%), and sodium (230%/280%), performed on L2243951-56, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1678916-3/-4 MS/MSD recoveries for aluminum (549%/330%) calcium (305%/139%), iron (0%/324%), and manganese (MS 36%), performed on L2243951-26, do not apply because the sample concentrations are

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greater than four times the spike amounts added.
The WG1678916-3/-4 MS/MSD recoveries, performed on L2243951-26, are outside the acceptance criteria for arsenic (67%/71%). A post digestion spike was performed and was within acceptance criteria.
The WG1678916-3/-4 MS/MSD recoveries, performed on L2243951-26, are outside the acceptance criteria for chromium (MSD 74%), cobalt (71%/72%), lead (MSD 74%), nickel (72%/73%), selenium (72%/70%), thallium (64%/66%), and zinc (MSD 73%). A post digestion spike was performed and yielded unacceptable recoveries for chromium (73%), cobalt (70%), lead (70%), nickel (70%), selenium (74%), thallium (66%), and zinc (68%). The serial dilution recoveries were not applicable; therefore, these elements fail the matrix test and the results reported in the native sample should be considered estimated.
The WG1678916-3/-4 MS/MSD recoveries, performed on L2243951-26, are outside the acceptance criteria for magnesium (143%/126%). A post digestion spike was performed and yielded an unacceptable recovery of 71%. The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.
The WG1678916-6 serial dilution analysis, associated with L2243951-26, had a %D above the acceptance criteria for calcium (22%), iron (21%), magnesium (24%), and manganese (22%).

Dissolved Metals
The WG1675751-1 Method Blank, associated with L2243951-13, has a concentration above the reporting limit for sodium. 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 WG1675751-3 MS recovery for sodium (0%), performed on L2243951-13, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1676291-3 MS recovery for sodium (160%), performed on L2243951-34, does not apply because the sample concentration is greater than four times the spike amount added.
The WG1678711-3/-4 MS/MSD recoveries for calcium (MS 50%), magnesium (127%/135%), and sodium (0%/0%), performed on L2243951-56, do not apply because the sample concentrations are greater than four

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times the spike amounts added.

Cyanide, Total

The WG1675709-2 LCS recovery for cyanide, total (72%), associated with L2243951-02, -04, -06, -08, -10, and -12, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1677084-2 LCS recovery for cyanide, total (43%), associated with L2243951-42, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (46%).

The WG1677965-2 LCS recovery for cyanide, total (77%), associated with L2243951-50, -52, and -54, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 09/06/22

ORGANICS

VOLATILES

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SAMPLE RESULTS

Lab ID: L2243951-01
Client ID: SB-09 (2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/22 16:14
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	4.7	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	0.63		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	0.95	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	0.26	J	ug/kg	0.47	0.16	1
Toluene	1.4		ug/kg	0.95	0.51	1
Ethylbenzene	0.37	J	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	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

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SAMPLE RESULTS

Lab ID: L2243951-01 Date Collected: 08/15/22 12:10

Client ID: SB-09 (2') Date Received: 08/15/22

Sample Location: Not Specified 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	1.5	J	ug/kg	1.9	0.53	1
o-Xylene	0.50	J	ug/kg	0.95	0.28	1
Xylenes, Total	2.0	J	ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	4.7	J	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	0.94	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-01 Date Collected: 08/15/22 12:10

Client ID: SB-09 (2') Date Received: 08/15/22

Sample Location: Not Specified 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	0.30	J	ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	0.73	J	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	0.46	J	ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.7	1.3	1
Tentatively Identified Compounds						
Total TIC Compounds	2.78	J	ug/kg			1
Butane, 2-Methyl-	2.78	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	93		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-03
Client ID: SB-09 (6')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/22 16:35
Analyst: AJK
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	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	1.4		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	0.35	J	ug/kg	0.50	0.16	1
Toluene	1.2		ug/kg	0.99	0.54	1
Ethylbenzene	0.34	J	ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-03 Date Collected: 08/15/22 12:20

Client ID: SB-09 (6') Date Received: 08/15/22

Sample Location: Not Specified 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	1.4	J	ug/kg	2.0	0.56	1
o-Xylene	0.56	J	ug/kg	0.99	0.29	1
Xylenes, Total	2.0	J	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	0.91	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	0.13	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	0.50	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-03 Date Collected: 08/15/22 12:20

Client ID: SB-09 (6') Date Received: 08/15/22

Sample Location: Not Specified 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	0.77	J	ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	1.9	J	ug/kg	2.0	0.33	1
1,4-Dioxane	ND		ug/kg	79	35.	1
p-Diethylbenzene	0.26	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	0.70	J	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	5.0	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	12.7	J	ug/kg			1
Unknown	5.08	J	ug/kg			1
Unknown	3.03	J	ug/kg			1
Unknown	4.62	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-05
Client ID: SB-14 (1')
Sample Location: Not Specified

Date Collected: 08/15/22 14:30
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 10:54
Analyst: NLK
Percent Solids: 92%

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	ND		ug/kg	62	9.0	1
Chloroform	100		ug/kg	93	8.7	1
Carbon tetrachloride	34	J	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	16.	1
Tetrachloroethene	12000		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	ND		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	ND		ug/kg	93	8.5	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-05 Date Collected: 08/15/22 14:30

Client ID: SB-14 (1') Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	260		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	ND		ug/kg	62	11.	1
1,2-Dichloroethene, Total	ND		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	71.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-05 Date Collected: 08/15/22 14:30

Client ID: SB-14 (1') Date Received: 08/15/22

Sample Location: Not Specified 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	108		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-07
Client ID: SB-14 (6')
Sample Location: Not Specified
Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/22 17:17
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	0.66	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	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	0.57		ug/kg	0.52	0.17	1
Toluene	1.7		ug/kg	1.0	0.57	1
Ethylbenzene	0.37	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-07 Date Collected: 08/15/22 14:45

Client ID: SB-14 (6') Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	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	1.3	J	ug/kg	2.1	0.59	1
o-Xylene	0.42	J	ug/kg	1.0	0.30	1
Xylenes, Total	1.7	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-07 Date Collected: 08/15/22 14:45

Client ID: SB-14 (6') Date Received: 08/15/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
Total TIC Compounds	6.76	J	ug/kg			1
Unknown	2.30	J	ug/kg			1
Butane, 2-Methyl-	4.46	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	93		70-130
Dibromofluoromethane	92		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-09
Client ID: TRIP BLANK-01
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/22 12:50
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-09 Date Collected: 08/15/22 00:00

Client ID: TRIP BLANK-01 Date Received: 08/15/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-09 Date Collected: 08/15/22 00:00

Client ID: TRIP BLANK-01 Date Received: 08/15/22

Sample Location: Not Specified 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	99		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified
Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/17/22 17:37
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	ND		ug/kg	0.96	0.14	1
Chloroform	0.60	J	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	0.20	J	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	0.52		ug/kg	0.48	0.16	1
Toluene	1.5		ug/kg	0.96	0.52	1
Ethylbenzene	0.29	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified 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	1.2	J	ug/kg	1.9	0.54	1
o-Xylene	0.42	J	ug/kg	0.96	0.28	1
Xylenes, Total	1.6	J	ug/kg	0.96	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.96	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.96	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.96	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.6	0.88	1
Acetone	ND		ug/kg	9.6	4.6	1
Carbon disulfide	ND		ug/kg	9.6	4.4	1
2-Butanone	ND		ug/kg	9.6	2.1	1
Vinyl acetate	ND		ug/kg	9.6	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.6	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.6	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.96	0.27	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.13	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.96	0.16	1
sec-Butylbenzene	ND		ug/kg	0.96	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.96	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.96	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified 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	0.32	J	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
Tentatively Identified Compounds						
Total TIC Compounds	6.59	J	ug/kg			1
Butane, 2-Methyl-	3.77	NJ	ug/kg			1
Unknown	2.82	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	92		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-11
Client ID: WC-02 (1')
Sample Location: Not Specified
Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/21/22 18:31
Analyst: MM
Percent Solids: 93%
TCLP/SPLP Ext. Date: 08/19/22 13:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	83		70-130
dibromofluoromethane	109		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified
Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/22 13:11
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	1.8	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified 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	115		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-15
Client ID: SB-10 (1')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 00:29
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	5.1	2.4	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	16		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	0.18	J	ug/kg	0.51	0.17	1
Toluene	0.63	J	ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-15 Date Collected: 08/16/22 09:20

Client ID: SB-10 (1') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.84		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	1.1	J	ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-15 Date Collected: 08/16/22 09:20

Client ID: SB-10 (1') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	128		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-17
Client ID: SB-10 (5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 00:55
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	2.1	1
1,1-Dichloroethane	ND		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	2.3		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	0.17	J	ug/kg	0.45	0.15	1
Toluene	0.61	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-17 Date Collected: 08/16/22 09:30

Client ID: SB-10 (5') Date Received: 08/16/22

Sample Location: Not Specified 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	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	ND		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	0.79	J	ug/kg	3.6	0.59	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-17 Date Collected: 08/16/22 09:30

Client ID: SB-10 (5') Date Received: 08/16/22

Sample Location: Not Specified 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	123		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-20
Client ID: SB-11 (1')
Sample Location: Not Specified

Date Collected: 08/16/22 10:35
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 01:21
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	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	0.37	J	ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.96	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.96	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	0.22	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-20 Date Collected: 08/16/22 10:35

Client ID: SB-11 (1') Date Received: 08/16/22

Sample Location: Not Specified 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	0.87	1
Acetone	9.4	J	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	0.70	J	ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-20 Date Collected: 08/16/22 10:35

Client ID: SB-11 (1') Date Received: 08/16/22

Sample Location: Not Specified 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	129		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-22
Client ID: SB-11 (4')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 01:47
Analyst: MKS
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	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	0.23	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	ND		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	0.16	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	0.92	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-22 Date Collected: 08/16/22 10:45

Client ID: SB-11 (4') Date Received: 08/16/22

Sample Location: Not Specified 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	0.13	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	0.29	1
Xylenes, Total	ND		ug/kg	0.98	0.29	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	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	0.11	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	0.98	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-22 Date Collected: 08/16/22 10:45

Client ID: SB-11 (4') Date Received: 08/16/22

Sample Location: Not Specified 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	79	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	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.9	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	126		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-24
Client ID: TRIP BLANK-02
Sample Location: Not Specified
Date Collected: 08/16/22 00:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/22 14:35
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-24 Date Collected: 08/16/22 00:00

Client ID: TRIP BLANK-02 Date Received: 08/16/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-24 Date Collected: 08/16/22 00:00

Client ID: TRIP BLANK-02 Date Received: 08/16/22

Sample Location: Not Specified 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	113		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-25
Client ID: SB-16 (2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 02:13
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	5.0	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	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	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	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	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	0.58	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-25 Date Collected: 08/16/22 12:20
Client ID: SB-16 (2') Date Received: 08/16/22
Sample Location: Not Specified 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	0.56	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	0.91	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	0.50	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-25 Date Collected: 08/16/22 12:20

Client ID: SB-16 (2') Date Received: 08/16/22

Sample Location: Not Specified 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	0.18	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	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	127		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-27
Client ID: SB-12 (1')
Sample Location: Not Specified
Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 02:39
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	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	0.79		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	0.95	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	0.24	J	ug/kg	0.47	0.16	1
Toluene	0.55	J	ug/kg	0.95	0.51	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	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-27 Date Collected: 08/16/22 14:05

Client ID: SB-12 (1') Date Received: 08/16/22

Sample Location: Not Specified 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	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	5.3	J	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	0.94	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-27 Date Collected: 08/16/22 14:05

Client ID: SB-12 (1') Date Received: 08/16/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	105		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-29
Client ID: SB-12 (4')
Sample Location: Not Specified
Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 03:05
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	4.5	2.1	1
1,1-Dichloroethane	ND		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	0.20	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-29 Date Collected: 08/16/22 14:15

Client ID: SB-12 (4') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.83	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-29 Date Collected: 08/16/22 14:15

Client ID: SB-12 (4') Date Received: 08/16/22

Sample Location: Not Specified 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	128		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-31
Client ID: SB-16 (5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/18/22 03:31
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	2.1	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	3.7	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	3.7	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	0.94	0.51	1
Ethylbenzene	ND		ug/kg	0.94	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	0.94	0.31	1
Chloroethane	ND		ug/kg	1.9	0.42	1
1,1-Dichloroethene	ND		ug/kg	0.94	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-31 Date Collected: 08/16/22 12:30
Client ID: SB-16 (5') Date Received: 08/16/22
Sample Location: Not Specified 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	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.2	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	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	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	3.7	0.61	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-31 Date Collected: 08/16/22 12:30

Client ID: SB-16 (5') Date Received: 08/16/22

Sample Location: Not Specified 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	0.25	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	129		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	105		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified
Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/19/22 09:23
Analyst: PD

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	1.4	J	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	2.0		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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.23	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified 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	111		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified
Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/19/22 09:49
Analyst: PD

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16
Client ID: TMW-11 Date Received: 08/16/22
Sample Location: Not Specified 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	6.0		ug/l	2.5	0.70	1
tert-Butylbenzene	1.1	J	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	1.8	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified 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	1.4	J	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	105		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-37
Client ID: SB-13 (1')
Sample Location: Not Specified
Date Collected: 08/17/22 09:20
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/22 10:16
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	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	0.27	J	ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	0.39	J	ug/kg	0.55	0.18	1
Toluene	0.70	J	ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-37 Date Collected: 08/17/22 09:20

Client ID: SB-13 (1') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	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	0.67	J	ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	7.0	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-37 Date Collected: 08/17/22 09:20

Client ID: SB-13 (1') Date Received: 08/17/22

Sample Location: Not Specified 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	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	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	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-39
Client ID: SB-13 (4')
Sample Location: Not Specified
Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/22 10:54
Analyst: JC
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	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	0.42	J	ug/kg	0.53	0.18	1
Toluene	0.86	J	ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-39 Date Collected: 08/17/22 09:30

Client ID: SB-13 (4') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	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	0.65	J	ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	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	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-39 Date Collected: 08/17/22 09:30

Client ID: SB-13 (4') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	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	5.3	1.5	1

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

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-41
Client ID: SB-15 (2')
Sample Location: Not Specified
Date Collected: 08/17/22 10:35
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/22 11:33
Analyst: JC
Percent Solids: 94%

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	1.5	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	0.28	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	0.26	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	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	0.24	J	ug/kg	0.52	0.17	1
Toluene	0.59	J	ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.14	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	0.34	1
Chloroethane	ND		ug/kg	2.1	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-41 Date Collected: 08/17/22 10:35
Client ID: SB-15 (2') Date Received: 08/17/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	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	0.24	1
Styrene	0.64	J	ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	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	0.17	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	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-41 Date Collected: 08/17/22 10:35

Client ID: SB-15 (2') Date Received: 08/17/22

Sample Location: Not Specified 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	82	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	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-43
Client ID: SB-15 (4')
Sample Location: Not Specified
Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/19/22 12:11
Analyst: JC
Percent Solids: 93%

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

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-43 Date Collected: 08/17/22 10:45

Client ID: SB-15 (4') Date Received: 08/17/22

Sample Location: Not Specified 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	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.71	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	0.78	J	ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.1	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.17	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.21	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.82	1
Acrylonitrile	ND		ug/kg	5.1	1.4	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-43 Date Collected: 08/17/22 10:45

Client ID: SB-15 (4') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/22 13:53
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified 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	2.0	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified 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	114		70-130
Toluene-d8	116		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	106		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-46
Client ID: TRIP BLANK-03
Sample Location: Not Specified
Date Collected: 08/17/22 00:00
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/18/22 14:14
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-46 Date Collected: 08/17/22 00:00

Client ID: TRIP BLANK-03 Date Received: 08/17/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-46 Date Collected: 08/17/22 00:00

Client ID: TRIP BLANK-03 Date Received: 08/17/22

Sample Location: Not Specified 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	115		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-47
Client ID: WC-01 (2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 06:16
Analyst: MM
Percent Solids: 93%
TCLP/SPLP Ext. Date: 08/23/22 08:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	8.9		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	89		70-130
Toluene-d8	87		70-130
4-Bromofluorobenzene	80		70-130
dibromofluoromethane	110		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-49 D2 Date Collected: 08/18/22 08:50
Client ID: SB-20 (1') Date Received: 08/18/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 13:26
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1500	680	5
1,1-Dichloroethane	590		ug/kg	300	43.	5
Chloroform	ND		ug/kg	440	42.	5
Carbon tetrachloride	ND		ug/kg	300	68.	5
1,2-Dichloropropane	ND		ug/kg	300	37.	5
Dibromochloromethane	ND		ug/kg	300	42.	5
1,1,2-Trichloroethane	ND		ug/kg	300	79.	5
Tetrachloroethene	640		ug/kg	150	58.	5
Chlorobenzene	ND		ug/kg	150	38.	5
Trichlorofluoromethane	ND		ug/kg	1200	210	5
1,2-Dichloroethane	ND		ug/kg	300	76.	5
1,1,1-Trichloroethane	310		ug/kg	150	50.	5
Bromodichloromethane	ND		ug/kg	150	32.	5
trans-1,3-Dichloropropene	ND		ug/kg	300	81.	5
cis-1,3-Dichloropropene	ND		ug/kg	150	47.	5
1,3-Dichloropropene, Total	ND		ug/kg	150	47.	5
1,1-Dichloropropene	ND		ug/kg	150	47.	5
Bromoform	ND		ug/kg	1200	73.	5
1,1,2,2-Tetrachloroethane	ND		ug/kg	150	49.	5
Benzene	ND		ug/kg	150	49.	5
Toluene	ND		ug/kg	300	160	5
Ethylbenzene	73	J	ug/kg	300	42.	5
Chloromethane	ND		ug/kg	1200	280	5
Bromomethane	ND		ug/kg	590	170	5
Vinyl chloride	ND		ug/kg	300	99.	5
Chloroethane	ND		ug/kg	590	130	5
1,1-Dichloroethene	ND		ug/kg	300	71.	5
trans-1,2-Dichloroethene	190	J	ug/kg	440	41.	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-49 D2 Date Collected: 08/18/22 08:50

Client ID: SB-20 (1') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	150000	E	ug/kg	150	41.	5
1,2-Dichlorobenzene	ND		ug/kg	590	43.	5
1,3-Dichlorobenzene	ND		ug/kg	590	44.	5
1,4-Dichlorobenzene	ND		ug/kg	590	51.	5
Methyl tert butyl ether	ND		ug/kg	590	60.	5
p/m-Xylene	180	J	ug/kg	590	170	5
o-Xylene	ND		ug/kg	300	86.	5
Xylenes, Total	180	J	ug/kg	300	86.	5
cis-1,2-Dichloroethene	1900		ug/kg	300	52.	5
1,2-Dichloroethene, Total	2100	J	ug/kg	300	41.	5
Dibromomethane	ND		ug/kg	590	71.	5
Styrene	ND		ug/kg	300	58.	5
Dichlorodifluoromethane	ND		ug/kg	3000	270	5
Acetone	ND		ug/kg	3000	1400	5
Carbon disulfide	ND		ug/kg	3000	1300	5
2-Butanone	ND		ug/kg	3000	660	5
Vinyl acetate	ND		ug/kg	3000	640	5
4-Methyl-2-pentanone	ND		ug/kg	3000	380	5
1,2,3-Trichloropropane	ND		ug/kg	590	38.	5
2-Hexanone	ND		ug/kg	3000	350	5
Bromochloromethane	ND		ug/kg	590	61.	5
2,2-Dichloropropane	ND		ug/kg	590	60.	5
1,2-Dibromoethane	ND		ug/kg	300	83.	5
1,3-Dichloropropane	ND		ug/kg	590	50.	5
1,1,1,2-Tetrachloroethane	ND		ug/kg	150	39.	5
Bromobenzene	ND		ug/kg	590	43.	5
n-Butylbenzene	ND		ug/kg	300	50.	5
sec-Butylbenzene	ND		ug/kg	300	43.	5
tert-Butylbenzene	ND		ug/kg	590	35.	5
o-Chlorotoluene	ND		ug/kg	590	57.	5
p-Chlorotoluene	ND		ug/kg	590	32.	5
1,2-Dibromo-3-chloropropane	ND		ug/kg	890	300	5
Hexachlorobutadiene	ND		ug/kg	1200	50.	5
Isopropylbenzene	ND		ug/kg	300	32.	5
p-Isopropyltoluene	ND		ug/kg	300	32.	5
Naphthalene	ND		ug/kg	1200	190	5
Acrylonitrile	ND		ug/kg	1200	340	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-49 D2 Date Collected: 08/18/22 08:50

Client ID: SB-20 (1') Date Received: 08/18/22

Sample Location: Not Specified 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	300	51.	5
1,2,3-Trichlorobenzene	ND		ug/kg	590	96.	5
1,2,4-Trichlorobenzene	ND		ug/kg	590	81.	5
1,3,5-Trimethylbenzene	ND		ug/kg	590	57.	5
1,2,4-Trimethylbenzene	120	J	ug/kg	590	99.	5
1,4-Dioxane	ND		ug/kg	24000	10000	5
p-Diethylbenzene	ND		ug/kg	590	52.	5
p-Ethyltoluene	120	J	ug/kg	590	110	5
1,2,4,5-Tetramethylbenzene	ND		ug/kg	590	57.	5
Ethyl ether	ND		ug/kg	590	100	5
trans-1,4-Dichloro-2-butene	ND		ug/kg	1500	420	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-49 D
Client ID: SB-20 (1')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/22 11:20
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	180000		ug/kg	590	160	20

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

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-51
Client ID: SB-20 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 08:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/22 11:59
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	4.7	J	ug/kg	4.8	2.2	1
1,1-Dichloroethane	7.7		ug/kg	0.95	0.14	1
Chloroform	0.37	J	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	0.75		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	8.2		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	1.7		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	0.88	J	ug/kg	1.4	0.13	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-51 Date Collected: 08/18/22 08:55

Client ID: SB-20 (6') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	260		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	14		ug/kg	0.95	0.17	1
1,2-Dichloroethene, Total	15	J	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	36		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	5.1	J	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	0.20	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-51 Date Collected: 08/18/22 08:55

Client ID: SB-20 (6') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
1,4-Dioxane	ND		ug/kg	76	33.	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.37	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-53
Client ID: SB-20 (9')
Sample Location: Not Specified
Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/22/22 12:38
Analyst: NLK
Percent Solids: 94%

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	0.43	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	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	0.65		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	0.51	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-53 Date Collected: 08/18/22 09:00

Client ID: SB-20 (9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	6.7		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	2.2		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	2.2		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	0.46	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-53 Date Collected: 08/18/22 09:00

Client ID: SB-20 (9') Date Received: 08/18/22

Sample Location: Not Specified 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	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified
Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/22/22 16:53
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	0.20	J	ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15
Client ID: LBC-2 Date Received: 08/19/22
Sample Location: Not Specified 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	6.9		ug/l	2.5	0.70	1
sec-Butylbenzene	8.3		ug/l	2.5	0.70	1
tert-Butylbenzene	0.82	J	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	30		ug/l	2.5	0.70	1
p-Isopropyltoluene	4.0		ug/l	2.5	0.70	1
Naphthalene	4.8		ug/l	2.5	0.70	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15

Client ID: LBC-2 Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	47		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	0.88	J	ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	3.1		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	7.8		ug/l	2.0	0.70	1
p-Ethyltoluene	3.9		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	23		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	97		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified
Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/24/22 16:40
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	1.6		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	3.2		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	1.0	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.29	J	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	3.6	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified 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	2.39	J	ug/l			1
Unknown	2.39	J	ug/l			1

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

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/24/22 17:03
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	1.3		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	3.2		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	1.1	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	0.27	J	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	3.3	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	1.04	J	ug/l			1
Unknown	1.04	J	ug/l			1

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

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/25/22 14:03
Analyst: MKS

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00
Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22
Sample Location: Not Specified 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	2.9	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 11:11
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07,10 Batch: WG1676802-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 11:11
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07,10 Batch: WG1676802-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 11:11
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07,10 Batch: WG1676802-5					
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	5.05	J	ug/kg
Unknown	5.05	J	ug/kg

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 11:11
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,07,10 Batch: WG1676802-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	119		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	111		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 20:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-5					
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 20:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-5					
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/17/22 20:09
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-5					
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	125		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	93		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24,45-46 Batch: WG1677144-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24,45-46 Batch: WG1677144-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24,45-46 Batch: WG1677144-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 09,13,24,45-46 Batch: WG1677144-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1677396-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1677396-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1677396-5					
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	137	J	ug/kg
Unknown	137	J	ug/kg

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/18/22 08:27
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1677396-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/21/22 13:11
Analyst: KJD
TCLP/SPLP Extraction Date: 08/19/22 13:40
Extraction Date: 08/19/22 13:40

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 11 Batch: WG1677984-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	90		70-130
4-Bromofluorobenzene	86		70-130
dibromofluoromethane	107		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678083-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678083-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678083-5					
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	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 151ST STREET RI
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 09:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43 Batch: WG1678171-5					
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: 101 E 151ST STREET RI
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 09:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43 Batch: WG1678171-5					
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	0.63	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: 101 E 151ST STREET RI
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Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 09:37
Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43 Batch: WG1678171-5					
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
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Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1678361-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1678361-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
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Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1678361-5					
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	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678526-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678526-5					
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	39	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678526-5					
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 51,53 Batch: WG1678527-5					
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 51,53 Batch: WG1678527-5					
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	0.78	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:25
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 51,53 Batch: WG1678527-5					
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	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678776-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678776-5					
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:14
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 49 Batch: WG1678776-5					
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	112		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
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Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 05:50
Analyst: MM
TCLP/SPLP Extraction Date: 08/23/22 08:42
Extraction Date: 08/23/22 08:42

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 47 Batch: WG1679073-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	86		70-130
4-Bromofluorobenzene	82		70-130
dibromofluoromethane	111		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1679344-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1679344-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1679344-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1679344-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1679629-5					
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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1679629-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1679629-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 08:34
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1679629-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07,10 Batch: WG1676802-3 WG1676802-4								
Methylene chloride	85		88		70-130	3		30
1,1-Dichloroethane	99		100		70-130	1		30
Chloroform	88		88		70-130	0		30
Carbon tetrachloride	74		75		70-130	1		30
1,2-Dichloropropane	97		97		70-130	0		30
Dibromochloromethane	80		83		70-130	4		30
1,1,2-Trichloroethane	84		86		70-130	2		30
Tetrachloroethene	93		95		70-130	2		30
Chlorobenzene	93		95		70-130	2		30
Trichlorofluoromethane	72		74		70-139	3		30
1,2-Dichloroethane	90		89		70-130	1		30
1,1,1-Trichloroethane	81		83		70-130	2		30
Bromodichloromethane	79		80		70-130	1		30
trans-1,3-Dichloropropene	84		84		70-130	0		30
cis-1,3-Dichloropropene	81		79		70-130	3		30
1,1-Dichloropropene	85		85		70-130	0		30
Bromoform	77		81		70-130	5		30
1,1,2,2-Tetrachloroethane	77		78		70-130	1		30
Benzene	88		87		70-130	1		30
Toluene	90		93		70-130	3		30
Ethylbenzene	94		96		70-130	2		30
Chloromethane	66		67		52-130	2		30
Bromomethane	94		97		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07,10 Batch: WG1676802-3 WG1676802-4								
Vinyl chloride	73		75		67-130	3		30
Chloroethane	89		92		50-151	3		30
1,1-Dichloroethene	77		78		65-135	1		30
trans-1,2-Dichloroethene	84		85		70-130	1		30
Trichloroethene	89		91		70-130	2		30
1,2-Dichlorobenzene	95		97		70-130	2		30
1,3-Dichlorobenzene	98		100		70-130	2		30
1,4-Dichlorobenzene	94		97		70-130	3		30
Methyl tert butyl ether	70		70		66-130	0		30
p/m-Xylene	96		98		70-130	2		30
o-Xylene	95		97		70-130	2		30
cis-1,2-Dichloroethene	85		89		70-130	5		30
Dibromomethane	77		77		70-130	0		30
Styrene	95		98		70-130	3		30
Dichlorodifluoromethane	**26**	Q	**26**	Q	30-146	0		30
Acetone	96		90		54-140	6		30
Carbon disulfide	72		74		59-130	3		30
2-Butanone	83		84		70-130	1		30
Vinyl acetate	**68**	Q	**66**	Q	70-130	3		30
4-Methyl-2-pentanone	90		93		70-130	3		30
1,2,3-Trichloropropane	85		85		68-130	0		30
2-Hexanone	91		89		70-130	2		30
Bromochloromethane	85		86		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07,10 Batch: WG1676802-3 WG1676802-4								
2,2-Dichloropropane	81		82		70-130	1		30
1,2-Dibromoethane	83		84		70-130	1		30
1,3-Dichloropropane	84		86		69-130	2		30
1,1,1,2-Tetrachloroethane	87		89		70-130	2		30
Bromobenzene	94		98		70-130	4		30
n-Butylbenzene	103		105		70-130	2		30
sec-Butylbenzene	100		101		70-130	1		30
tert-Butylbenzene	98		100		70-130	2		30
o-Chlorotoluene	99		102		70-130	3		30
p-Chlorotoluene	98		100		70-130	2		30
1,2-Dibromo-3-chloropropane	75		76		68-130	1		30
Hexachlorobutadiene	107		106		67-130	1		30
Isopropylbenzene	95		98		70-130	3		30
p-Isopropyltoluene	101		104		70-130	3		30
Naphthalene	88		89		70-130	1		30
Acrylonitrile	88		87		70-130	1		30
n-Propylbenzene	98		100		70-130	2		30
1,2,3-Trichlorobenzene	95		97		70-130	2		30
1,2,4-Trichlorobenzene	99		100		70-130	1		30
1,3,5-Trimethylbenzene	98		101		70-130	3		30
1,2,4-Trimethylbenzene	99		102		70-130	3		30
1,4-Dioxane	79		79		65-136	0		30
p-Diethylbenzene	101		102		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,07,10 Batch: WG1676802-3 WG1676802-4								
p-Ethyltoluene	100		101		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		97		70-130	1		30
Ethyl ether	74		75		67-130	1		30
trans-1,4-Dichloro-2-butene	95		98		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		91		70-130
Toluene-d8	101		103		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	87		89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-3 WG1676838-4								
Methylene chloride	92		91		70-130	1		30
1,1-Dichloroethane	109		109		70-130	0		30
Chloroform	96		96		70-130	0		30
Carbon tetrachloride	87		85		70-130	2		30
1,2-Dichloropropane	101		101		70-130	0		30
Dibromochloromethane	93		91		70-130	2		30
1,1,2-Trichloroethane	94		93		70-130	1		30
Tetrachloroethene	92		91		70-130	1		30
Chlorobenzene	89		88		70-130	1		30
Trichlorofluoromethane	79		77		70-139	3		30
1,2-Dichloroethane	111		109		70-130	2		30
1,1,1-Trichloroethane	95		94		70-130	1		30
Bromodichloromethane	96		95		70-130	1		30
trans-1,3-Dichloropropene	107		105		70-130	2		30
cis-1,3-Dichloropropene	98		96		70-130	2		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	87		85		70-130	2		30
1,1,2,2-Tetrachloroethane	91		87		70-130	4		30
Benzene	91		92		70-130	1		30
Toluene	92		93		70-130	1		30
Ethylbenzene	92		93		70-130	1		30
Chloromethane	**138**	Q	**139**	Q	52-130	1		30
Bromomethane	71		70		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-3 WG1676838-4								
Vinyl chloride	99		99		67-130	0		30
Chloroethane	78		78		50-151	0		30
1,1-Dichloroethene	93		92		65-135	1		30
trans-1,2-Dichloroethene	92		90		70-130	2		30
Trichloroethene	86		86		70-130	0		30
1,2-Dichlorobenzene	93		91		70-130	2		30
1,3-Dichlorobenzene	93		93		70-130	0		30
1,4-Dichlorobenzene	91		90		70-130	1		30
Methyl tert butyl ether	100		97		66-130	3		30
p/m-Xylene	91		92		70-130	1		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	87		88		70-130	1		30
Dibromomethane	87		85		70-130	2		30
Styrene	84		84		70-130	0		30
Dichlorodifluoromethane	123		120		30-146	2		30
Acetone	**152**	Q	**145**	Q	54-140	5		30
Carbon disulfide	94		94		59-130	0		30
2-Butanone	121		108		70-130	11		30
Vinyl acetate	**133**	Q	121		70-130	9		30
4-Methyl-2-pentanone	102		96		70-130	6		30
1,2,3-Trichloropropane	98		95		68-130	3		30
2-Hexanone	114		111		70-130	3		30
Bromochloromethane	91		91		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-3 WG1676838-4								
2,2-Dichloropropane	105		104		70-130	1		30
1,2-Dibromoethane	91		90		70-130	1		30
1,3-Dichloropropane	99		99		69-130	0		30
1,1,1,2-Tetrachloroethane	90		91		70-130	1		30
Bromobenzene	88		88		70-130	0		30
n-Butylbenzene	100		100		70-130	0		30
sec-Butylbenzene	94		95		70-130	1		30
tert-Butylbenzene	93		93		70-130	0		30
o-Chlorotoluene	96		98		70-130	2		30
p-Chlorotoluene	99		100		70-130	1		30
1,2-Dibromo-3-chloropropane	87		84		68-130	4		30
Hexachlorobutadiene	79		79		67-130	0		30
Isopropylbenzene	91		94		70-130	3		30
p-Isopropyltoluene	96		96		70-130	0		30
Naphthalene	91		87		70-130	4		30
Acrylonitrile	119		113		70-130	5		30
n-Propylbenzene	95		96		70-130	1		30
1,2,3-Trichlorobenzene	88		86		70-130	2		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	97		98		70-130	1		30
1,2,4-Trimethylbenzene	98		98		70-130	0		30
1,4-Dioxane	87		80		65-136	8		30
p-Diethylbenzene	96		95		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 15,17,20,22,25,27,29,31 Batch: WG1676838-3 WG1676838-4								
p-Ethyltoluene	94		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		95		70-130	1		30
Ethyl ether	96		95		67-130	1		30
trans-1,4-Dichloro-2-butene	126		120		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	123		119		70-130
Toluene-d8	103		105		70-130
4-Bromofluorobenzene	97		100		70-130
Dibromofluoromethane	96		93		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24,45-46 Batch: WG1677144-3 WG1677144-4								
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	110		110		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	130		130		62-150	0		20
1,2-Dichloroethane	110		110		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	100		100		67-130	0		20
trans-1,3-Dichloropropene	93		93		70-130	0		20
cis-1,3-Dichloropropene	86		86		70-130	0		20
1,1-Dichloropropene	110		110		70-130	0		20
Bromoform	89		91		54-136	2		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**140**	Q	**140**	Q	64-130	0		20
Bromomethane	100		110		39-139	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24,45-46 Batch: WG1677144-3 WG1677144-4								
Vinyl chloride	140		140		55-140	0		20
Chloroethane	130		130		55-138	0		20
1,1-Dichloroethene	120		110		61-145	9		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		100		70-130	10		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		110		70-130	0		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	93		96		63-130	3		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	100		100		70-130	0		20
1,2,3-Trichloropropane	100		100		64-130	0		20
Acrylonitrile	99		100		70-130	1		20
Styrene	110		105		70-130	5		20
Dichlorodifluoromethane	**160**	Q	**150**	Q	36-147	6		20
Acetone	**160**	Q	**150**	Q	58-148	6		20
Carbon disulfide	120		120		51-130	0		20
2-Butanone	120		120		63-138	0		20
Vinyl acetate	110		110		70-130	0		20
4-Methyl-2-pentanone	90		92		59-130	2		20
2-Hexanone	90		87		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24,45-46 Batch: WG1677144-3 WG1677144-4								
Bromochloromethane	100		100		70-130	0		20
2,2-Dichloropropane	98		97		63-133	1		20
1,2-Dibromoethane	110		110		70-130	0		20
1,3-Dichloropropane	100		110		70-130	10		20
1,1,1,2-Tetrachloroethane	110		110		64-130	0		20
Bromobenzene	98		100		70-130	2		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	97		98		70-130	1		20
o-Chlorotoluene	110		100		70-130	10		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	88		85		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	98		98		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	79		82		70-130	4		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	94		95		70-130	1		20
1,2,4-Trichlorobenzene	94		94		70-130	0		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		99		70-130	1		20
1,4-Dioxane	86		80		56-162	7		20
p-Diethylbenzene	98		98		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 09,13,24,45-46 Batch: WG1677144-3 WG1677144-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	83		82		70-130	1		20
Ethyl ether	100		110		59-134	10		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	111		112		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1677396-3 WG1677396-4								
Methylene chloride	92		97		70-130	5		30
1,1-Dichloroethane	92		96		70-130	4		30
Chloroform	89		93		70-130	4		30
Carbon tetrachloride	88		93		70-130	6		30
1,2-Dichloropropane	92		97		70-130	5		30
Dibromochloromethane	90		92		70-130	2		30
1,1,2-Trichloroethane	94		96		70-130	2		30
Tetrachloroethene	98		100		70-130	2		30
Chlorobenzene	93		97		70-130	4		30
Trichlorofluoromethane	88		93		70-139	6		30
1,2-Dichloroethane	92		97		70-130	5		30
1,1,1-Trichloroethane	93		98		70-130	5		30
Bromodichloromethane	85		90		70-130	6		30
trans-1,3-Dichloropropene	94		96		70-130	2		30
cis-1,3-Dichloropropene	92		99		70-130	7		30
1,1-Dichloropropene	97		101		70-130	4		30
Bromoform	84		86		70-130	2		30
1,1,2,2-Tetrachloroethane	88		88		70-130	0		30
Benzene	91		96		70-130	5		30
Toluene	88		89		70-130	1		30
Ethylbenzene	92		95		70-130	3		30
Chloromethane	95		102		52-130	7		30
Bromomethane	88		91		57-147	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1677396-3 WG1677396-4								
Vinyl chloride	90		95		67-130	5		30
Chloroethane	90		96		50-151	6		30
1,1-Dichloroethene	85		88		65-135	3		30
trans-1,2-Dichloroethene	90		94		70-130	4		30
Trichloroethene	93		101		70-130	8		30
1,2-Dichlorobenzene	90		95		70-130	5		30
1,3-Dichlorobenzene	91		96		70-130	5		30
1,4-Dichlorobenzene	84		89		70-130	6		30
Methyl tert butyl ether	92		97		66-130	5		30
p/m-Xylene	92		96		70-130	4		30
o-Xylene	94		97		70-130	3		30
cis-1,2-Dichloroethene	86		94		70-130	9		30
Dibromomethane	89		94		70-130	5		30
Styrene	92		97		70-130	5		30
Dichlorodifluoromethane	105		108		30-146	3		30
Acetone	100		106		54-140	6		30
Carbon disulfide	84		89		59-130	6		30
2-Butanone	89		92		70-130	3		30
Vinyl acetate	76		72		70-130	5		30
4-Methyl-2-pentanone	86		86		70-130	0		30
1,2,3-Trichloropropane	88		95		68-130	8		30
2-Hexanone	80		82		70-130	2		30
Bromochloromethane	91		96		70-130	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1677396-3 WG1677396-4								
2,2-Dichloropropane	92		96		70-130	4		30
1,2-Dibromoethane	93		95		70-130	2		30
1,3-Dichloropropane	97		99		69-130	2		30
1,1,1,2-Tetrachloroethane	90		95		70-130	5		30
Bromobenzene	89		92		70-130	3		30
n-Butylbenzene	96		100		70-130	4		30
sec-Butylbenzene	94		99		70-130	5		30
tert-Butylbenzene	88		95		70-130	8		30
o-Chlorotoluene	91		96		70-130	5		30
p-Chlorotoluene	92		96		70-130	4		30
1,2-Dibromo-3-chloropropane	79		84		68-130	6		30
Hexachlorobutadiene	89		94		67-130	5		30
Isopropylbenzene	93		95		70-130	2		30
p-Isopropyltoluene	92		97		70-130	5		30
Naphthalene	85		89		70-130	5		30
Acrylonitrile	94		96		70-130	2		30
n-Propylbenzene	94		98		70-130	4		30
1,2,3-Trichlorobenzene	89		95		70-130	7		30
1,2,4-Trichlorobenzene	90		94		70-130	4		30
1,3,5-Trimethylbenzene	91		96		70-130	5		30
1,2,4-Trimethylbenzene	91		95		70-130	4		30
1,4-Dioxane	83		86		65-136	4		30
p-Diethylbenzene	92		96		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

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Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1677396-3 WG1677396-4								
p-Ethyltoluene	93		98		70-130	5		30
1,2,4,5-Tetramethylbenzene	86		92		70-130	7		30
Ethyl ether	80		85		67-130	6		30
trans-1,4-Dichloro-2-butene	88		92		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		102		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

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Lab Number: L2243951

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 11 Batch: WG1677984-3 WG1677984-4								
Chloroform	97		97		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	93		92		75-130	1		25
1,2-Dichloroethane	87		86		70-130	1		20
Benzene	100		99		70-130	1		25
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	110		110		61-145	0		25
Trichloroethene	100		98		70-130	2		25
1,4-Dichlorobenzene	88		86		70-130	2		20
2-Butanone	80		76		63-138	5		20

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	82		83		70-130
dibromofluoromethane	106		102		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

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Lab Number: L2243951

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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): 34-35 Batch: WG1678083-3 WG1678083-4								
Methylene chloride	94		98		70-130	4		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	96		110		63-132	14		20
1,2-Dichloropropane	96		100		70-130	4		20
Dibromochloromethane	89		97		63-130	9		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		120		62-150	18		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	96		100		67-130	4		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	92		98		70-130	6		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	91		98		54-136	7		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	130		**140**	Q	64-130	7		20
Bromomethane	90		92		39-139	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678083-3 WG1678083-4								
Vinyl chloride	140		140		55-140	0		20
Chloroethane	**220**	Q	**230**	Q	55-138	4		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		98		70-130	4		20
1,2-Dichlorobenzene	95		100		70-130	5		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	87		97		63-130	11		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	94		100		70-130	6		20
1,2,3-Trichloropropane	96		110		64-130	14		20
Acrylonitrile	110		120		70-130	9		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	120		140		36-147	15		20
Acetone	110		130		58-148	17		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	82		97		63-138	17		20
Vinyl acetate	**140**	Q	**150**	Q	70-130	7		20
4-Methyl-2-pentanone	93		100		59-130	7		20
2-Hexanone	81		110		57-130	**30**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678083-3 WG1678083-4								
Bromochloromethane	91		91		70-130	0		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	91		98		70-130	7		20
1,3-Dichloropropane	99		110		70-130	11		20
1,1,1,2-Tetrachloroethane	92		98		64-130	6		20
Bromobenzene	92		98		70-130	6		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	98		99		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	82		90		41-144	9		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	71		81		70-130	13		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	83		93		70-130	11		20
1,2,4-Trichlorobenzene	88		94		70-130	7		20
1,3,5-Trimethylbenzene	99		100		64-130	1		20
1,2,4-Trimethylbenzene	96		99		70-130	3		20
1,4-Dioxane	82		92		56-162	11		20
p-Diethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678083-3 WG1678083-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	85		89		70-130	5		20
Ethyl ether	87		100		59-134	14		20
trans-1,4-Dichloro-2-butene	73		78		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
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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): 37,39,41,43 Batch: WG1678171-3 WG1678171-4								
Methylene chloride	80		78		70-130	3		30
1,1-Dichloroethane	84		83		70-130	1		30
Chloroform	81		80		70-130	1		30
Carbon tetrachloride	82		83		70-130	1		30
1,2-Dichloropropane	86		85		70-130	1		30
Dibromochloromethane	84		80		70-130	5		30
1,1,2-Trichloroethane	81		79		70-130	3		30
Tetrachloroethene	86		86		70-130	0		30
Chlorobenzene	81		80		70-130	1		30
Trichlorofluoromethane	78		77		70-139	1		30
1,2-Dichloroethane	78		76		70-130	3		30
1,1,1-Trichloroethane	82		82		70-130	0		30
Bromodichloromethane	83		82		70-130	1		30
trans-1,3-Dichloropropene	83		80		70-130	4		30
cis-1,3-Dichloropropene	85		83		70-130	2		30
1,1-Dichloropropene	85		84		70-130	1		30
Bromoform	72		**68**	Q	70-130	6		30
1,1,2,2-Tetrachloroethane	77		75		70-130	3		30
Benzene	82		81		70-130	1		30
Toluene	82		82		70-130	0		30
Ethylbenzene	83		83		70-130	0		30
Chloromethane	66		66		52-130	0		30
Bromomethane	69		70		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43 Batch: WG1678171-3 WG1678171-4								
Vinyl chloride	**59**	Q	**59**	Q	67-130	0		30
Chloroethane	80		81		50-151	1		30
1,1-Dichloroethene	82		81		65-135	1		30
trans-1,2-Dichloroethene	82		81		70-130	1		30
Trichloroethene	89		84		70-130	6		30
1,2-Dichlorobenzene	80		79		70-130	1		30
1,3-Dichlorobenzene	81		80		70-130	1		30
1,4-Dichlorobenzene	82		80		70-130	2		30
Methyl tert butyl ether	78		74		66-130	5		30
p/m-Xylene	81		81		70-130	0		30
o-Xylene	80		80		70-130	0		30
cis-1,2-Dichloroethene	80		80		70-130	0		30
Dibromomethane	78		74		70-130	5		30
Styrene	72		72		70-130	0		30
Dichlorodifluoromethane	42		42		30-146	0		30
Acetone	101		87		54-140	15		30
Carbon disulfide	74		73		59-130	1		30
2-Butanone	89		78		70-130	13		30
Vinyl acetate	**61**	Q	70		70-130	14		30
4-Methyl-2-pentanone	87		81		70-130	7		30
1,2,3-Trichloropropane	82		76		68-130	8		30
2-Hexanone	90		80		70-130	12		30
Bromochloromethane	81		79		70-130	3		30

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Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43 Batch: WG1678171-3 WG1678171-4								
2,2-Dichloropropane	86		85		70-130	1		30
1,2-Dibromoethane	82		78		70-130	5		30
1,3-Dichloropropane	81		78		69-130	4		30
1,1,1,2-Tetrachloroethane	82		81		70-130	1		30
Bromobenzene	81		80		70-130	1		30
n-Butylbenzene	81		81		70-130	0		30
sec-Butylbenzene	85		85		70-130	0		30
tert-Butylbenzene	84		84		70-130	0		30
o-Chlorotoluene	81		81		70-130	0		30
p-Chlorotoluene	83		82		70-130	1		30
1,2-Dibromo-3-chloropropane	80		73		68-130	9		30
Hexachlorobutadiene	95		96		67-130	1		30
Isopropylbenzene	84		84		70-130	0		30
p-Isopropyltoluene	83		83		70-130	0		30
Naphthalene	85		79		70-130	7		30
Acrylonitrile	82		73		70-130	12		30
n-Propylbenzene	85		85		70-130	0		30
1,2,3-Trichlorobenzene	93		89		70-130	4		30
1,2,4-Trichlorobenzene	89		86		70-130	3		30
1,3,5-Trimethylbenzene	82		82		70-130	0		30
1,2,4-Trimethylbenzene	83		82		70-130	1		30
1,4-Dioxane	101		91		65-136	10		30
p-Diethylbenzene	83		83		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43 Batch: WG1678171-3 WG1678171-4								
p-Ethyltoluene	84		84		70-130	0		30
1,2,4,5-Tetramethylbenzene	84		84		70-130	0		30
Ethyl ether	80		76		67-130	5		30
trans-1,4-Dichloro-2-butene	83		77		70-130	8		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		92		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	104		103		70-130
Dibromofluoromethane	95		95		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1678361-3 WG1678361-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		98		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**59**	Q	**59**	Q	64-130	0		20
Bromomethane	62		63		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1678361-3 WG1678361-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		110		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		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		97		63-130	5		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		100		64-130	3		20
Acrylonitrile	90		88		70-130	2		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	91		93		36-147	2		20
Acetone	110		92		58-148	18		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	73		79		63-138	8		20
Vinyl acetate	92		96		70-130	4		20
4-Methyl-2-pentanone	88		94		59-130	7		20
2-Hexanone	**150**	Q	100		57-130	**40**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1678361-3 WG1678361-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		120		63-133	9		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	100		110		53-136	10		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	89		97		41-144	9		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	72		94		70-130	**27**	Q	20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	74		94		70-130	**24**	Q	20
1,2,4-Trichlorobenzene	88		100		70-130	13		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	90		104		56-162	14		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1678361-3 WG1678361-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		20
Ethyl ether	95		96		59-134	1		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678526-3 WG1678526-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	100		99		70-130	1		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	97		94		70-130	3		30
1,2-Dichloropropane	103		102		70-130	1		30
Dibromochloromethane	98		99		70-130	1		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	100		100		70-130	0		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	87		85		70-139	2		30
1,2-Dichloroethane	92		92		70-130	0		30
1,1,1-Trichloroethane	96		95		70-130	1		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	97		96		70-130	1		30
cis-1,3-Dichloropropene	101		101		70-130	0		30
1,1-Dichloropropene	99		97		70-130	2		30
Bromoform	83		81		70-130	2		30
1,1,2,2-Tetrachloroethane	92		90		70-130	2		30
Benzene	98		96		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	98		97		70-130	1		30
Chloromethane	72		70		52-130	3		30
Bromomethane	83		79		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678526-3 WG1678526-4								
Vinyl chloride	**63**	Q	**62**	Q	67-130	2		30
Chloroethane	92		91		50-151	1		30
1,1-Dichloroethene	94		92		65-135	2		30
trans-1,2-Dichloroethene	97		95		70-130	2		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	91		91		66-130	0		30
p/m-Xylene	97		95		70-130	2		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	91		90		70-130	1		30
Styrene	86		84		70-130	2		30
Dichlorodifluoromethane	40		39		30-146	3		30
Acetone	99		103		54-140	4		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	91		93		70-130	2		30
Vinyl acetate	89		90		70-130	1		30
4-Methyl-2-pentanone	98		96		70-130	2		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	94		96		70-130	2		30
Bromochloromethane	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678526-3 WG1678526-4								
2,2-Dichloropropane	102		99		70-130	3		30
1,2-Dibromoethane	94		95		70-130	1		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	96		93		70-130	3		30
sec-Butylbenzene	100		97		70-130	3		30
tert-Butylbenzene	100		96		70-130	4		30
o-Chlorotoluene	96		93		70-130	3		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	89		92		68-130	3		30
Hexachlorobutadiene	112		110		67-130	2		30
Isopropylbenzene	99		95		70-130	4		30
p-Isopropyltoluene	99		96		70-130	3		30
Naphthalene	95		95		70-130	0		30
Acrylonitrile	93		94		70-130	1		30
n-Propylbenzene	101		96		70-130	5		30
1,2,3-Trichlorobenzene	106		104		70-130	2		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	98		95		70-130	3		30
1,2,4-Trimethylbenzene	99		97		70-130	2		30
1,4-Dioxane	85		83		65-136	2		30
p-Diethylbenzene	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678526-3 WG1678526-4								
p-Ethyltoluene	101		97		70-130	4		30
1,2,4,5-Tetramethylbenzene	102		101		70-130	1		30
Ethyl ether	93		93		67-130	0		30
trans-1,4-Dichloro-2-butene	94		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 51,53 Batch: WG1678527-3 WG1678527-4								
Methylene chloride	93		91		70-130	2		30
1,1-Dichloroethane	100		99		70-130	1		30
Chloroform	98		96		70-130	2		30
Carbon tetrachloride	97		94		70-130	3		30
1,2-Dichloropropane	103		102		70-130	1		30
Dibromochloromethane	98		99		70-130	1		30
1,1,2-Trichloroethane	94		95		70-130	1		30
Tetrachloroethene	100		100		70-130	0		30
Chlorobenzene	97		96		70-130	1		30
Trichlorofluoromethane	87		85		70-139	2		30
1,2-Dichloroethane	92		92		70-130	0		30
1,1,1-Trichloroethane	96		95		70-130	1		30
Bromodichloromethane	100		98		70-130	2		30
trans-1,3-Dichloropropene	97		96		70-130	1		30
cis-1,3-Dichloropropene	101		101		70-130	0		30
1,1-Dichloropropene	99		97		70-130	2		30
Bromoform	83		81		70-130	2		30
1,1,2,2-Tetrachloroethane	92		90		70-130	2		30
Benzene	98		96		70-130	2		30
Toluene	98		96		70-130	2		30
Ethylbenzene	98		97		70-130	1		30
Chloromethane	72		70		52-130	3		30
Bromomethane	83		79		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 51,53 Batch: WG1678527-3 WG1678527-4								
Vinyl chloride	**63**	Q	**62**	Q	67-130	2		30
Chloroethane	92		91		50-151	1		30
1,1-Dichloroethene	94		92		65-135	2		30
trans-1,2-Dichloroethene	97		95		70-130	2		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	96		95		70-130	1		30
1,3-Dichlorobenzene	98		96		70-130	2		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	91		91		66-130	0		30
p/m-Xylene	97		95		70-130	2		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	91		90		70-130	1		30
Styrene	86		84		70-130	2		30
Dichlorodifluoromethane	40		39		30-146	3		30
Acetone	99		103		54-140	4		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	91		93		70-130	2		30
Vinyl acetate	89		90		70-130	1		30
4-Methyl-2-pentanone	98		96		70-130	2		30
1,2,3-Trichloropropane	93		92		68-130	1		30
2-Hexanone	94		96		70-130	2		30
Bromochloromethane	97		96		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 51,53 Batch: WG1678527-3 WG1678527-4								
2,2-Dichloropropane	102		99		70-130	3		30
1,2-Dibromoethane	94		95		70-130	1		30
1,3-Dichloropropane	94		95		69-130	1		30
1,1,1,2-Tetrachloroethane	98		98		70-130	0		30
Bromobenzene	98		95		70-130	3		30
n-Butylbenzene	96		93		70-130	3		30
sec-Butylbenzene	100		97		70-130	3		30
tert-Butylbenzene	100		96		70-130	4		30
o-Chlorotoluene	96		93		70-130	3		30
p-Chlorotoluene	100		96		70-130	4		30
1,2-Dibromo-3-chloropropane	89		92		68-130	3		30
Hexachlorobutadiene	112		110		67-130	2		30
Isopropylbenzene	99		95		70-130	4		30
p-Isopropyltoluene	99		96		70-130	3		30
Naphthalene	95		95		70-130	0		30
Acrylonitrile	93		94		70-130	1		30
n-Propylbenzene	101		96		70-130	5		30
1,2,3-Trichlorobenzene	106		104		70-130	2		30
1,2,4-Trichlorobenzene	106		104		70-130	2		30
1,3,5-Trimethylbenzene	98		95		70-130	3		30
1,2,4-Trimethylbenzene	99		97		70-130	2		30
1,4-Dioxane	85		83		65-136	2		30
p-Diethylbenzene	99		96		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 51,53 Batch: WG1678527-3 WG1678527-4								
p-Ethyltoluene	101		97		70-130	4		30
1,2,4,5-Tetramethylbenzene	102		101		70-130	1		30
Ethyl ether	93		93		67-130	0		30
trans-1,4-Dichloro-2-butene	94		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	93		94		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	97		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678776-3 WG1678776-4								
Methylene chloride	88		84		70-130	5		30
1,1-Dichloroethane	92		87		70-130	6		30
Chloroform	84		81		70-130	4		30
Carbon tetrachloride	83		79		70-130	5		30
1,2-Dichloropropane	90		86		70-130	5		30
Dibromochloromethane	82		78		70-130	5		30
1,1,2-Trichloroethane	91		86		70-130	6		30
Tetrachloroethene	86		82		70-130	5		30
Chlorobenzene	89		85		70-130	5		30
Trichlorofluoromethane	98		93		70-139	5		30
1,2-Dichloroethane	90		86		70-130	5		30
1,1,1-Trichloroethane	89		85		70-130	5		30
Bromodichloromethane	81		77		70-130	5		30
trans-1,3-Dichloropropene	90		85		70-130	6		30
cis-1,3-Dichloropropene	89		85		70-130	5		30
1,1-Dichloropropene	94		88		70-130	7		30
Bromoform	81		74		70-130	9		30
1,1,2,2-Tetrachloroethane	95		87		70-130	9		30
Benzene	89		85		70-130	5		30
Toluene	81		78		70-130	4		30
Ethylbenzene	88		84		70-130	5		30
Chloromethane	118		111		52-130	6		30
Bromomethane	100		95		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678776-3 WG1678776-4								
Vinyl chloride	110		104		67-130	6		30
Chloroethane	110		105		50-151	5		30
1,1-Dichloroethene	99		94		65-135	5		30
trans-1,2-Dichloroethene	84		82		70-130	2		30
Trichloroethene	90		83		70-130	8		30
1,2-Dichlorobenzene	88		82		70-130	7		30
1,3-Dichlorobenzene	88		83		70-130	6		30
1,4-Dichlorobenzene	82		77		70-130	6		30
Methyl tert butyl ether	84		80		66-130	5		30
p/m-Xylene	87		83		70-130	5		30
o-Xylene	88		84		70-130	5		30
cis-1,2-Dichloroethene	80		78		70-130	3		30
Dibromomethane	85		81		70-130	5		30
Styrene	88		84		70-130	5		30
Dichlorodifluoromethane	125		117		30-146	7		30
Acetone	114		98		54-140	15		30
Carbon disulfide	99		94		59-130	5		30
2-Butanone	93		82		70-130	13		30
Vinyl acetate	79		75		70-130	5		30
4-Methyl-2-pentanone	85		77		70-130	10		30
1,2,3-Trichloropropane	92		85		68-130	8		30
2-Hexanone	84		75		70-130	11		30
Bromochloromethane	84		81		70-130	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678776-3 WG1678776-4								
2,2-Dichloropropane	89		85		70-130	5		30
1,2-Dibromoethane	87		83		70-130	5		30
1,3-Dichloropropane	93		87		69-130	7		30
1,1,1,2-Tetrachloroethane	84		80		70-130	5		30
Bromobenzene	84		80		70-130	5		30
n-Butylbenzene	98		92		70-130	6		30
sec-Butylbenzene	93		88		70-130	6		30
tert-Butylbenzene	88		83		70-130	6		30
o-Chlorotoluene	89		85		70-130	5		30
p-Chlorotoluene	92		87		70-130	6		30
1,2-Dibromo-3-chloropropane	82		71		68-130	14		30
Hexachlorobutadiene	84		78		67-130	7		30
Isopropylbenzene	89		84		70-130	6		30
p-Isopropyltoluene	91		85		70-130	7		30
Naphthalene	84		77		70-130	9		30
Acrylonitrile	94		87		70-130	8		30
n-Propylbenzene	94		89		70-130	5		30
1,2,3-Trichlorobenzene	85		80		70-130	6		30
1,2,4-Trichlorobenzene	85		80		70-130	6		30
1,3,5-Trimethylbenzene	90		86		70-130	5		30
1,2,4-Trimethylbenzene	89		84		70-130	6		30
1,4-Dioxane	86		74		65-136	15		30
p-Diethylbenzene	88		83		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 49 Batch: WG1678776-3 WG1678776-4								
p-Ethyltoluene	91		85		70-130	7		30
1,2,4,5-Tetramethylbenzene	83		78		70-130	6		30
Ethyl ether	86		83		67-130	4		30
trans-1,4-Dichloro-2-butene	91		81		70-130	12		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		102		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 47 Batch: WG1679073-3 WG1679073-4								
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	93		98		75-130	5		25
1,2-Dichloroethane	84		91		70-130	8		20
Benzene	100		110		70-130	10		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	110		120		61-145	9		25
Trichloroethene	100		110		70-130	10		25
1,4-Dichlorobenzene	86		92		70-130	7		20
2-Butanone	71		80		63-138	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		81		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	80		81		70-130
dibromofluoromethane	100		104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1679344-3 WG1679344-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	95		98		70-130	3		20
Chloroform	93		98		70-130	5		20
Carbon tetrachloride	86		89		63-132	3		20
1,2-Dichloropropane	94		97		70-130	3		20
Dibromochloromethane	92		96		63-130	4		20
1,1,2-Trichloroethane	94		97		70-130	3		20
Tetrachloroethene	92		97		70-130	5		20
Chlorobenzene	97		99		75-130	2		20
Trichlorofluoromethane	93		93		62-150	0		20
1,2-Dichloroethane	88		94		70-130	7		20
1,1,1-Trichloroethane	90		94		67-130	4		20
Bromodichloromethane	92		98		67-130	6		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	89		93		70-130	4		20
Bromoform	83		86		54-136	4		20
1,1,2,2-Tetrachloroethane	84		89		67-130	6		20
Benzene	94		98		70-130	4		20
Toluene	97		100		70-130	3		20
Ethylbenzene	97		98		70-130	1		20
Chloromethane	91		93		64-130	2		20
Bromomethane	95		93		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1679344-3 WG1679344-4								
Vinyl chloride	95		95		55-140	0		20
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	93		91		61-145	2		20
trans-1,2-Dichloroethene	95		97		70-130	2		20
Trichloroethene	85		88		70-130	3		20
1,2-Dichlorobenzene	94		96		70-130	2		20
1,3-Dichlorobenzene	97		98		70-130	1		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	84		91		63-130	8		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	84		89		64-130	6		20
Acrylonitrile	79		85		70-130	7		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	90		92		36-147	2		20
Acetone	68		72		58-148	6		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	75		83		63-138	10		20
Vinyl acetate	77		83		70-130	8		20
4-Methyl-2-pentanone	80		89		59-130	11		20
2-Hexanone	76		82		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1679344-3 WG1679344-4								
Bromochloromethane	93		98		70-130	5		20
2,2-Dichloropropane	95		97		63-133	2		20
1,2-Dibromoethane	94		100		70-130	6		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	95		100		64-130	5		20
Bromobenzene	96		99		70-130	3		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	96		98		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	73		83		41-144	13		20
Hexachlorobutadiene	97		100		63-130	3		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	97		98		70-130	1		20
Naphthalene	80		88		70-130	10		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	83		90		70-130	8		20
1,2,4-Trichlorobenzene	89		97		70-130	9		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	96		99		70-130	3		20
1,4-Dioxane	98		100		56-162	2		20
p-Diethylbenzene	95		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1679344-3 WG1679344-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		20
Ethyl ether	87		93		59-134	7		20
trans-1,4-Dichloro-2-butene	88		93		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	101		104		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1679629-3 WG1679629-4								
Methylene chloride	96		97		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	94		95		70-130	1		20
Carbon tetrachloride	93		93		63-132	0		20
1,2-Dichloropropane	95		95		70-130	0		20
Dibromochloromethane	91		96		63-130	5		20
1,1,2-Trichloroethane	92		97		70-130	5		20
Tetrachloroethene	96		95		70-130	1		20
Chlorobenzene	95		96		75-130	1		20
Trichlorofluoromethane	110		110		62-150	0		20
1,2-Dichloroethane	90		93		70-130	3		20
1,1,1-Trichloroethane	96		96		67-130	0		20
Bromodichloromethane	93		92		67-130	1		20
trans-1,3-Dichloropropene	97		100		70-130	3		20
cis-1,3-Dichloropropene	94		96		70-130	2		20
1,1-Dichloropropene	96		96		70-130	0		20
Bromoform	80		88		54-136	10		20
1,1,2,2-Tetrachloroethane	84		91		67-130	8		20
Benzene	97		97		70-130	0		20
Toluene	97		98		70-130	1		20
Ethylbenzene	96		97		70-130	1		20
Chloromethane	100		95		64-130	5		20
Bromomethane	130		110		39-139	17		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1679629-3 WG1679629-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	120		120		55-138	0		20
1,1-Dichloroethene	96		97		61-145	1		20
trans-1,2-Dichloroethene	98		98		70-130	0		20
Trichloroethene	89		89		70-130	0		20
1,2-Dichlorobenzene	90		95		70-130	5		20
1,3-Dichlorobenzene	92		95		70-130	3		20
1,4-Dichlorobenzene	91		94		70-130	3		20
Methyl tert butyl ether	86		91		63-130	6		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	90		90		70-130	0		20
cis-1,2-Dichloroethene	96		96		70-130	0		20
Dibromomethane	91		96		70-130	5		20
1,2,3-Trichloropropane	83		92		64-130	10		20
Acrylonitrile	91		95		70-130	4		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	98		95		36-147	3		20
Acetone	99		77		58-148	**25**	Q	20
Carbon disulfide	99		98		51-130	1		20
2-Butanone	87		88		63-138	1		20
Vinyl acetate	79		86		70-130	8		20
4-Methyl-2-pentanone	82		89		59-130	8		20
2-Hexanone	77		84		57-130	9		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1679629-3 WG1679629-4								
Bromochloromethane	96		98		70-130	2		20
2,2-Dichloropropane	96		96		63-133	0		20
1,2-Dibromoethane	91		97		70-130	6		20
1,3-Dichloropropane	96		100		70-130	4		20
1,1,1,2-Tetrachloroethane	93		93		64-130	0		20
Bromobenzene	91		96		70-130	5		20
n-Butylbenzene	96		98		53-136	2		20
sec-Butylbenzene	97		100		70-130	3		20
tert-Butylbenzene	94		96		70-130	2		20
o-Chlorotoluene	97		100		70-130	3		20
p-Chlorotoluene	93		96		70-130	3		20
1,2-Dibromo-3-chloropropane	76		92		41-144	19		20
Hexachlorobutadiene	97		100		63-130	3		20
Isopropylbenzene	95		99		70-130	4		20
p-Isopropyltoluene	96		97		70-130	1		20
Naphthalene	81		93		70-130	14		20
n-Propylbenzene	98		100		69-130	2		20
1,2,3-Trichlorobenzene	85		94		70-130	10		20
1,2,4-Trichlorobenzene	90		94		70-130	4		20
1,3,5-Trimethylbenzene	93		96		64-130	3		20
1,2,4-Trimethylbenzene	93		96		70-130	3		20
1,4-Dioxane	108		106		56-162	2		20
p-Diethylbenzene	93		95		70-130	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1679629-3 WG1679629-4								
p-Ethyltoluene	95		98		70-130	3		20
1,2,4,5-Tetramethylbenzene	89		93		70-130	4		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	86		95		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		101		70-130
Toluene-d8	105		103		70-130
4-Bromofluorobenzene	99		102		70-130
Dibromofluoromethane	99		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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): 15,17,20,22,25,27,29,31 QC Batch ID: WG1676838-6 WG1676838-7 QC Sample: L2243951-25 Client ID: SB-16 (2')												
Methylene chloride	ND	93.2	74	79		70	78		70-130	4		30
1,1-Dichloroethane	ND	93.2	92	99		88	98		70-130	4		30
Chloroform	ND	93.2	82	88		77	86		70-130	6		30
Carbon tetrachloride	ND	93.2	87	93		80	89		70-130	9		30
1,2-Dichloropropane	ND	93.2	85	91		82	92		70-130	3		30
Dibromochloromethane	ND	93.2	78	83		73	82		70-130	6		30
1,1,2-Trichloroethane	ND	93.2	70	75		69	76		70-130	2		30
Tetrachloroethene	ND	93.2	83	89		78	87		70-130	6		30
Chlorobenzene	ND	93.2	74	79		70	78		70-130	4		30
Trichlorofluoromethane	ND	93.2	77	83		72	80		70-139	6		30
1,2-Dichloroethane	ND	93.2	95	102		89	99		70-130	6		30
1,1,1-Trichloroethane	ND	93.2	90	96		83	93		70-130	7		30
Bromodichloromethane	ND	93.2	83	89		79	88		70-130	4		30
trans-1,3-Dichloropropene	ND	93.2	80	86		78	86		70-130	3		30
cis-1,3-Dichloropropene	ND	93.2	82	87		78	87		70-130	4		30
1,1-Dichloropropene	ND	93.2	88	94		84	94		70-130	4		30
Bromoform	ND	93.2	68	73		67	74		70-130	2		30
1,1,2,2-Tetrachloroethane	ND	93.2	64	**68**	Q	65	72		70-130	2		30
Benzene	ND	93.2	78	84		76	84		70-130	3		30
Toluene	ND	93.2	74	79		73	81		70-130	2		30
Ethylbenzene	ND	93.2	76	82		75	83		70-130	1		30
Chloromethane	ND	93.2	110	115		120	128		52-130	7		30
Bromomethane	ND	93.2	61	66		60	67		57-147	2		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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): 15,17,20,22,25,27,29,31 QC Batch ID: WG1676838-6 WG1676838-7 QC Sample: L2243951-25 Client ID: SB-16 (2')												
Vinyl chloride	ND	93.2	81	87		85	94		67-130	4		30
Chloroethane	ND	93.2	69	74		67	74		50-151	3		30
1,1-Dichloroethene	ND	93.2	85	91		80	89		65-135	6		30
trans-1,2-Dichloroethene	ND	93.2	81	87		75	84		70-130	7		30
Trichloroethene	ND	93.2	80	86		74	82		70-130	8		30
1,2-Dichlorobenzene	ND	93.2	74	80		68	76		70-130	9		30
1,3-Dichlorobenzene	ND	93.2	74	80		67	75		70-130	10		30
1,4-Dichlorobenzene	ND	93.2	72	78		65	72		70-130	11		30
Methyl tert butyl ether	ND	93.2	80	86		79	88		66-130	1		30
p/m-Xylene	ND	186	160	86		150	84		70-130	6		30
o-Xylene	ND	186	160	86		150	85		70-130	5		30
cis-1,2-Dichloroethene	ND	93.2	76	82		71	79		70-130	7		30
Dibromomethane	ND	93.2	74	79		69	77		70-130	7		30
Styrene	ND	186	150	79		140	76		70-130	8		30
Dichlorodifluoromethane	ND	93.2	110	113		110	120		30-146	3		30
Acetone	ND	93.2	140	**145**	Q	130	140		54-140	7		30
Carbon disulfide	ND	93.2	82	88		77	85		59-130	7		30
2-Butanone	ND	93.2	99	106		95	105		70-130	4		30
Vinyl acetate	ND	93.2	75	81		63	70		70-130	17		30
4-Methyl-2-pentanone	ND	93.2	78	83		80	88		70-130	2		30
1,2,3-Trichloropropane	ND	93.2	70	75		71	79		68-130	1		30
2-Hexanone	ND	93.2	91	98		93	103		70-130	1		30
Bromochloromethane	ND	93.2	83	89		75	84		70-130	10		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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): 15,17,20,22,25,27,29,31 QC Batch ID: WG1676838-6 WG1676838-7 QC Sample: L2243951-25 Client ID: SB-16 (2')												
2,2-Dichloropropane	ND	93.2	93	100		89	99		70-130	5		30
1,2-Dibromoethane	ND	93.2	71	76		69	77		70-130	3		30
1,3-Dichloropropane	ND	93.2	72	78		73	81		69-130	1		30
1,1,1,2-Tetrachloroethane	ND	93.2	80	85		75	84		70-130	6		30
Bromobenzene	ND	93.2	70	76		68	75		70-130	4		30
n-Butylbenzene	ND	93.2	79	85		74	82		70-130	7		30
sec-Butylbenzene	ND	93.2	79	85		75	84		70-130	5		30
tert-Butylbenzene	ND	93.2	79	85		77	86		70-130	3		30
o-Chlorotoluene	ND	93.2	73	78		71	79		70-130	3		30
p-Chlorotoluene	ND	93.2	75	80		72	80		70-130	4		30
1,2-Dibromo-3-chloropropane	ND	93.2	70	75		68	76		68-130	3		30
Hexachlorobutadiene	ND	93.2	66	71		59	**65**	Q	67-130	12		30
Isopropylbenzene	ND	93.2	75	80		75	83		70-130	0		30
p-Isopropyltoluene	ND	93.2	81	86		76	85		70-130	5		30
Naphthalene	ND	93.2	74	79		64	71		70-130	15		30
Acrylonitrile	ND	93.2	90	97		89	99		70-130	2		30
n-Propylbenzene	ND	93.2	75	81		74	83		70-130	1		30
1,2,3-Trichlorobenzene	ND	93.2	68	73		56	**62**	Q	70-130	19		30
1,2,4-Trichlorobenzene	ND	93.2	67	72		56	**62**	Q	70-130	18		30
1,3,5-Trimethylbenzene	ND	93.2	78	83		76	84		70-130	3		30
1,2,4-Trimethylbenzene	ND	93.2	78	84		76	84		70-130	3		30
1,4-Dioxane	ND	4660	4100	88		4000	88		65-136	4		30
p-Diethylbenzene	ND	93.2	79	85		74	82		70-130	7		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 15,17,20,22,25,27,29,31 QC Batch ID: WG1676838-6 WG1676838-7 QC Sample: L2243951-25 Client ID: SB-16 (2')												
p-Ethyltoluene	ND	93.2	75	81		74	82		70-130	2		30
1,2,4,5-Tetramethylbenzene	ND	93.2	78	84		72	81		70-130	7		30
Ethyl ether	ND	93.2	72	78		74	82		67-130	2		30
trans-1,4-Dichloro-2-butene	ND	93.2	91	98		86	96		70-130	6		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	130		128		70-130
4-Bromofluorobenzene	87		96		70-130
Dibromofluoromethane	102		98		70-130
Toluene-d8	95		98		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1679344-6 WG1679344-7 QC Sample: L2243951-56 Client ID: MW-8												
Methylene chloride	ND	10	10	100		9.8	98		70-130	2		20
1,1-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
Chloroform	ND	10	10	100		10	100		70-130	0		20
Carbon tetrachloride	ND	10	10	100		10	100		63-132	0		20
1,2-Dichloropropane	ND	10	10	100		10	100		70-130	0		20
Dibromochloromethane	ND	10	10	100		10	100		63-130	0		20
1,1,2-Trichloroethane	ND	10	11	110		10	100		70-130	10		20
Tetrachloroethene	1.6	10	12	104		12	104		70-130	0		20
Chlorobenzene	ND	10	10	100		10	100		75-130	0		20
Trichlorofluoromethane	ND	10	13	130		13	130		62-150	0		20
1,2-Dichloroethane	ND	10	10	100		10	100		70-130	0		20
1,1,1-Trichloroethane	3.2	10	14	108		13	98		67-130	7		20
Bromodichloromethane	ND	10	10	100		9.9	99		67-130	1		20
trans-1,3-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
cis-1,3-Dichloropropene	ND	10	9.8	98		9.6	96		70-130	2		20
1,1-Dichloropropene	ND	10	10	100		10	100		70-130	0		20
Bromoform	ND	10	9.4	94		9.4	94		54-136	0		20
1,1,2,2-Tetrachloroethane	ND	10	9.9	99		10	100		67-130	1		20
Benzene	ND	10	10	100		10	100		70-130	0		20
Toluene	ND	10	10	100		10	100		70-130	0		20
Ethylbenzene	ND	10	10	100		10	100		70-130	0		20
Chloromethane	ND	10	9.9	99		10	100		64-130	1		20
Bromomethane	1.0J	10	15	**150**	Q	14	**140**	Q	39-139	7		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1679344-6 WG1679344-7 QC Sample: L2243951-56 Client ID: MW-8												
Vinyl chloride	ND	10	11	110		11	110		55-140	0		20
Chloroethane	ND	10	14	**140**	Q	13	130		55-138	7		20
1,1-Dichloroethene	ND	10	11	110		11	110		61-145	0		20
trans-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Trichloroethene	0.29J	10	9.7	97		9.8	98		70-130	1		20
1,2-Dichlorobenzene	ND	10	9.6	96		9.8	98		70-130	2		20
1,3-Dichlorobenzene	ND	10	9.7	97		9.8	98		70-130	1		20
1,4-Dichlorobenzene	ND	10	9.6	96		9.7	97		70-130	1		20
Methyl tert butyl ether	ND	10	10	100		10	100		63-130	0		20
p/m-Xylene	ND	20	20	100		20	100		70-130	0		20
o-Xylene	ND	20	19	95		19	95		70-130	0		20
cis-1,2-Dichloroethene	ND	10	10	100		10	100		70-130	0		20
Dibromomethane	ND	10	10	100		10	100		70-130	0		20
1,2,3-Trichloropropane	ND	10	10	100		10	100		64-130	0		20
Acrylonitrile	ND	10	11	110		10	100		70-130	10		20
Styrene	ND	20	19	95		19	95		70-130	0		20
Dichlorodifluoromethane	ND	10	10	100		10	100		36-147	0		20
Acetone	3.6J	10	12	120		11	110		58-148	9		20
Carbon disulfide	ND	10	10	100		10	100		51-130	0		20
2-Butanone	ND	10	10	100		11	110		63-138	10		20
Vinyl acetate	ND	10	9.0	90		8.7	87		70-130	3		20
4-Methyl-2-pentanone	ND	10	11	110		11	110		59-130	0		20
2-Hexanone	ND	10	10	100		10	100		57-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1679344-6 WG1679344-7 QC Sample: L2243951-56 Client ID: MW-8												
Bromochloromethane	ND	10	11	110		11	110		70-130	0		20
2,2-Dichloropropane	ND	10	8.6	86		8.6	86		63-133	0		20
1,2-Dibromoethane	ND	10	11	110		11	110		70-130	0		20
1,3-Dichloropropane	ND	10	10	100		11	110		70-130	10		20
1,1,1,2-Tetrachloroethane	ND	10	9.7	97		10	100		64-130	3		20
Bromobenzene	ND	10	9.6	96		9.7	97		70-130	1		20
n-Butylbenzene	ND	10	9.9	99		9.9	99		53-136	0		20
sec-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
tert-Butylbenzene	ND	10	10	100		10	100		70-130	0		20
o-Chlorotoluene	ND	10	9.6	96		9.6	96		70-130	0		20
p-Chlorotoluene	ND	10	9.4	94		9.8	98		70-130	4		20
1,2-Dibromo-3-chloropropane	ND	10	10	100		10	100		41-144	0		20
Hexachlorobutadiene	ND	10	9.7	97		9.9	99		63-130	2		20
Isopropylbenzene	ND	10	10	100		10	100		70-130	0		20
p-Isopropyltoluene	ND	10	10	100		10	100		70-130	0		20
Naphthalene	ND	10	10	100		11	110		70-130	10		20
n-Propylbenzene	ND	10	10	100		10	100		69-130	0		20
1,2,3-Trichlorobenzene	ND	10	10	100		10	100		70-130	0		20
1,2,4-Trichlorobenzene	ND	10	9.9	99		10	100		70-130	1		20
1,3,5-Trimethylbenzene	ND	10	9.8	98		9.9	99		64-130	1		20
1,2,4-Trimethylbenzene	ND	10	9.7	97		9.7	97		70-130	0		20
1,4-Dioxane	ND	500	720	144		710	142		56-162	1		20
p-Diethylbenzene	ND	10	9.7	97		9.7	97		70-130	0		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1679344-6 WG1679344-7 QC Sample: L2243951-56 Client ID: MW-8												
p-Ethyltoluene	ND	10	9.9	99		10	100		70-130	1		20
1,2,4,5-Tetramethylbenzene	ND	10	9.5	95		9.5	95		70-130	0		20
Ethyl ether	ND	10	13	130		13	130		59-134	0		20
trans-1,4-Dichloro-2-butene	ND	10	9.9	99		9.9	99		70-130	0		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		103		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	99		99		70-130
Toluene-d8	101		103		70-130

SEMIVOLATILES

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02
Client ID: SB-09 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/22 19:38
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 09:39

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	140		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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02 Date Collected: 08/15/22 12:10
Client ID: SB-09 (0-2') Date Received: 08/15/22
Sample Location: Not Specified 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	74	J	ug/kg	110	20.	1
Benzo(a)pyrene	89	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	110		ug/kg	110	30.	1
Benzo(k)fluoranthene	37	J	ug/kg	110	29.	1
Chrysene	79	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	66	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	62	J	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	140	25.	1
Pyrene	140		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	59.	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02 Date Collected: 08/15/22 12:10

Client ID: SB-09 (0-2') Date Received: 08/15/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
Total TIC Compounds	172	J	ug/kg			1
Tetrachloroethene	172	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	69		10-136
4-Terphenyl-d14	71		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/22 23:11
Analyst: CMM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 23:20

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	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	210	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	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	31.	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	38.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04 Date Collected: 08/15/22 12:20

Client ID: SB-09 (5-7') Date Received: 08/15/22

Sample Location: Not Specified 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	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	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	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	21.	1
Acetophenone	ND		ug/kg	200	24.	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	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	430	74.	1
4-Nitrophenol	ND		ug/kg	280	81.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	95.	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	280	31.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04 Date Collected: 08/15/22 12:20

Client ID: SB-09 (5-7') Date Received: 08/15/22

Sample Location: Not Specified 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	9.1	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	74		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-06
Client ID: SB-14 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 14:30
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/22 20:01
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 09:39

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	71	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-06 Date Collected: 08/15/22 14:30

Client ID: SB-14 (0-2') Date Received: 08/15/22

Sample Location: Not Specified 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	41	J	ug/kg	110	20.	1
Benzo(a)pyrene	50	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	58	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	30	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	32	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	70	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-06 Date Collected: 08/15/22 14:30

Client ID: SB-14 (0-2') Date Received: 08/15/22

Sample Location: Not Specified 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						
Total TIC Compounds	677	J	ug/kg			1
Tetrachloroethene	677	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	70		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/22 23:35
Analyst: CMM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 23:20

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	250		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	51	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08 Date Collected: 08/15/22 14:45

Client ID: SB-14 (4-6') Date Received: 08/15/22

Sample Location: Not Specified 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	110		ug/kg	110	21.	1
Benzo(a)pyrene	110	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	98	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	130		ug/kg	110	20.	1
Acenaphthylene	44	J	ug/kg	150	29.	1
Anthracene	43	J	ug/kg	110	37.	1
Benzo(ghi)perylene	110	J	ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	310		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	61	J	ug/kg	150	26.	1
Pyrene	560		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	ND		ug/kg	190	18.	1
2-Methylnaphthalene	34	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08 Date Collected: 08/15/22 14:45

Client ID: SB-14 (4-6') Date Received: 08/15/22

Sample Location: Not Specified 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	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.8	1
Tentatively Identified Compounds						
Total TIC Compounds	173	J	ug/kg			1
Unknown	173	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	73		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/17/22 17:25
Analyst: MP
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.552	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.552	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.276	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.552	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.276	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.276	0.067	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.276	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.552	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.552	0.151	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.276	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.276	0.144	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.276	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.552	0.317	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.552	0.223	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.552	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.552	0.169	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.552	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.552	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.552	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.552	0.226	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.552	0.060	1
PFOA/PFOS, Total	ND		ng/g	0.276	0.046	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08 Date Collected: 08/15/22 14:45

Client ID: SB-14 (4-6') Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	84		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	90		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	64		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/20/22 23:59
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 23:20

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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified 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	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	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	83		10-136
4-Terphenyl-d14	69		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/17/22 17:42
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.501	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.501	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.501	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.501	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.501	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.501	0.287	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.501	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.501	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.501	0.153	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.501	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.501	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.501	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.501	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.250	0.042	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	74		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**75**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	81		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**17**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**17**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 11:38
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.501	0.098	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	109		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/22/22 12:52
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 17:01

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified 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	63.2	J	ug/l			1
Unknown	3.67	J	ug/l			1
Unknown	5.13	J	ug/l			1
Unknown	2.54	J	ug/l			1
Unknown	2.58	J	ug/l			1
Unknown	1.71	J	ug/l			1
Unknown	1.64	J	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown	9.20	JB	ug/l			1
Unknown	4.11	JB	ug/l			1
Unknown	1.85	J	ug/l			1
Unknown	5.71	J	ug/l			1
Unknown	5.78	JB	ug/l			1
Unknown	2.25	J	ug/l			1
Unknown	2.62	J	ug/l			1
Unknown Organic Acid	12.6	JB	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		21-120
Phenol-d6	52		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	115		10-120
4-Terphenyl-d14	86		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/22/22 10:02
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 16:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.02	J	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	JB	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	0.02	J	ug/l	0.10	0.01	1
Benzo(ghi)perylene	ND		ug/l	0.10	0.01	1
Fluorene	0.03	J	ug/l	0.10	0.01	1
Phenanthrene	0.03	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS-SIM - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		21-120
Phenol-d6	59		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	103		10-120
4-Terphenyl-d14	84		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/17/22 20:19
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/16/22 16:38

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	50		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 17:37
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	13.0		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	34.5		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	10.2		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	25.9		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	10.2		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	7.72		ng/l	1.85	0.348	1
Perfluorooctanoic Acid (PFOA)	14.9		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.84	JF	ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.636	1
Perfluorononanoic Acid (PFNA)	3.51		ng/l	1.85	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	30.9		ng/l	1.85	0.466	1
Perfluorodecanoic Acid (PFDA)	2.74		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.599	1
Perfluoroundecanoic Acid (PFUnA)	0.481	JF	ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.906	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.743	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	45.8		ng/l	1.85	0.218	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00
Client ID: TMW-09 Date Received: 08/15/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**165**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	53		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		22-136

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-14
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/15/22 16:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 18:10
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.89	0.385	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.89	0.374	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.89	0.225	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.89	0.310	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.89	0.213	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.89	0.355	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.64	J	ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.89	0.650	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.89	0.295	1
Perfluorooctanesulfonic Acid (PFOS)	2.07	F	ng/l	1.89	0.476	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.89	0.287	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.612	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.246	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.926	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.89	0.548	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.760	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.351	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.309	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.234	1
PFOA/PFOS, Total	2.07		ng/l	1.89	0.223	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-14 Date Collected: 08/15/22 16:00

Client ID: FIELD BLANK Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	106		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	63		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 19:43
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:27

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	57	J	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16 Date Collected: 08/16/22 09:20

Client ID: SB-10 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	45	J	ug/kg	110	20.	1
Benzo(a)pyrene	45	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	58	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	34	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	56	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	27	J	ug/kg	140	25.	1
Pyrene	55	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	24	J	ug/kg	210	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	67.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	83.	1
4,6-Dinitro-o-cresol	ND		ug/kg	460	86.	1
Pentachlorophenol	ND		ug/kg	140	39.	1
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16 Date Collected: 08/16/22 09:20

Client ID: SB-10 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	89		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	96		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 17:23
Analyst: MP
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.519	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.519	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.519	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.259	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.519	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.519	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.519	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.519	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.519	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.519	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.519	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.519	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.519	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.519	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.259	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16 Date Collected: 08/16/22 09:20

Client ID: SB-10 (0-2') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**58**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	63		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**58**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**61**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**74**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**70**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**11**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	65		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**12**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**53**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 12:07
Analyst: MP
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.519	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	110		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 20:00
Analyst: CMM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:27

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	23	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18 Date Collected: 08/16/22 09:30

Client ID: SB-10 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	25	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18 Date Collected: 08/16/22 09:30

Client ID: SB-10 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	81		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	81		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 18:56
Analyst: MP
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.534	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.534	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.534	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	0.063	JF	ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.534	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.534	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.534	0.306	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.534	0.215	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.534	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.534	0.163	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.534	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.534	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.534	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.534	0.218	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.534	0.058	1
PFOA/PFOS, Total	0.063	J	ng/g	0.267	0.045	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18 Date Collected: 08/16/22 09:30

Client ID: SB-10 (3-5') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	67		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**26**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	69		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**29**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-19
Client ID: SB-9 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 08:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 19:13
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.509	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.509	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.255	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.509	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.255	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.255	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.255	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.509	0.183	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.509	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.255	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.255	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.255	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.509	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.509	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.509	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.509	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.509	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.509	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.509	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.509	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.509	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.255	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-19 Date Collected: 08/15/22 08:45

Client ID: SB-9 (0-2') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	54		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-21
Client ID: SB-11 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 10:35
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 20:43
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 14:18

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	92	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-21 Date Collected: 08/16/22 10:35
Client ID: SB-11 (0-2') Date Received: 08/16/22
Sample Location: Not Specified 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	72	J	ug/kg	110	20.	1
Benzo(a)pyrene	87	J	ug/kg	140	44.	1
Benzo(b)fluoranthene	92	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	38	J	ug/kg	110	29.	1
Chrysene	64	J	ug/kg	110	19.	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	48	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	63	J	ug/kg	140	25.	1
Pyrene	89	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-21 Date Collected: 08/16/22 10:35

Client ID: SB-11 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	74		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	71		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 21:06
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 14:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23 Date Collected: 08/16/22 10:45
Client ID: SB-11 (3-5') Date Received: 08/16/22
Sample Location: Not Specified 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	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	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	30.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23 Date Collected: 08/16/22 10:45

Client ID: SB-11 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	77		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	111		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	79		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 20:21
Analyst: MP
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.520	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.520	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.520	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	0.067	J	ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.520	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.520	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.520	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.520	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.520	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.520	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.520	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.520	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.520	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.520	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.520	0.056	1
PFOA/PFOS, Total	0.067	J	ng/g	0.260	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23 Date Collected: 08/16/22 10:45

Client ID: SB-11 (3-5') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	75		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 21:30
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 14:18

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	200		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	27	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26 Date Collected: 08/16/22 12:20

Client ID: SB-16 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	170		ug/kg	110	20.	1
Benzo(a)pyrene	170		ug/kg	140	43.	1
Benzo(b)fluoranthene	180		ug/kg	110	30.	1
Benzo(k)fluoranthene	67	J	ug/kg	110	28.	1
Chrysene	180		ug/kg	110	18.	1
Acenaphthylene	36	J	ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	110	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	78	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	25	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	250		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	22	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	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	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	260	28.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26 Date Collected: 08/16/22 12:20

Client ID: SB-16 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	70		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 20:38
Analyst: MP
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.492	0.022	1
Perfluoropentanoic Acid (PFPeA)	0.047	J	ng/g	0.492	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.246	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.492	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.246	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.246	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.246	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.492	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.492	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.246	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.246	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.246	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.492	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.492	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.492	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.492	0.151	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.492	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.492	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.492	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.492	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.492	0.053	1
PFOA/PFOS, Total	ND		ng/g	0.246	0.041	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26 Date Collected: 08/16/22 12:20

Client ID: SB-16 (0-2') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	63		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	66		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**69**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**73**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	62		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	68		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	63		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-28
Client ID: SB-12 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 21:53
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 14:18

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	280		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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-28 Date Collected: 08/16/22 14:05

Client ID: SB-12 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	160		ug/kg	140	44.	1
Benzo(b)fluoranthene	190		ug/kg	110	30.	1
Benzo(k)fluoranthene	67	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	100	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	160		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	24	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	140	25.	1
Pyrene	260		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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-28 Date Collected: 08/16/22 14:05

Client ID: SB-12 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	87		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	105		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	78		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 22:17
Analyst: CMM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 14:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30 Date Collected: 08/16/22 14:15
Client ID: SB-12 (3-5') Date Received: 08/16/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30 Date Collected: 08/16/22 14:15

Client ID: SB-12 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	80		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	103		10-136
4-Terphenyl-d14	72		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 21:28
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.515	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.515	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.515	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.515	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.515	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.228	J	ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.515	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.515	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.515	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.515	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.515	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.515	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.515	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.515	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.515	0.056	1
PFOA/PFOS, Total	0.228	J	ng/g	0.258	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30 Date Collected: 08/16/22 14:15

Client ID: SB-12 (3-5') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	64		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	69		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	89		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	32		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 20:17
Analyst: CMM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:27

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	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	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32 Date Collected: 08/16/22 12:30

Client ID: SB-16 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	28.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	890	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	89.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32 Date Collected: 08/16/22 12:30

Client ID: SB-16 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	92		10-136
4-Terphenyl-d14	90		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 21:44
Analyst: MP
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.530	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.055	J	ng/g	0.530	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.265	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.530	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.265	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.265	0.064	1
Perfluorooctanoic Acid (PFOA)	0.064	J	ng/g	0.265	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.530	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.530	0.145	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.265	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.265	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.265	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.530	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.530	0.214	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.530	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.530	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.530	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.530	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.530	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.530	0.217	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.530	0.057	1
PFOA/PFOS, Total	0.064	J	ng/g	0.265	0.045	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32 Date Collected: 08/16/22 12:30

Client ID: SB-16 (3-5') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	63		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	64		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**69**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**72**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	54		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	60		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	57		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-33
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 22:01
Analyst: MP
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.543	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.543	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.271	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.543	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.271	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.271	0.066	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.271	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.543	0.195	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.543	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.271	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	0.384	F	ng/g	0.271	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.271	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.543	0.312	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.543	0.219	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.543	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.543	0.166	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.543	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.543	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.543	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.543	0.222	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.543	0.059	1
PFOA/PFOS, Total	0.384		ng/g	0.271	0.046	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-33 Date Collected: 08/15/22 12:20

Client ID: SB-09 (5-7') Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/23/22 10:15
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:55

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified 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	42		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	57		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	60		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/22 12:03
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:59

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	0.03	J	ug/l	0.10	0.02	1
Benzo(a)pyrene	ND		ug/l	0.10	0.02	1
Benzo(b)fluoranthene	0.01	JB	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	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	0.02	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	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified 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	62		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	57		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/22 20:18
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/17/22 16:30

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	45		15-110

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 18:27
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	18.9		ng/l	1.89	0.385	1
Perfluoropentanoic Acid (PFPeA)	38.8		ng/l	1.89	0.374	1
Perfluorobutanesulfonic Acid (PFBS)	12.8		ng/l	1.89	0.225	1
Perfluorohexanoic Acid (PFHxA)	29.9		ng/l	1.89	0.310	1
Perfluoroheptanoic Acid (PFHpA)	14.0		ng/l	1.89	0.212	1
Perfluorohexanesulfonic Acid (PFHxS)	8.23		ng/l	1.89	0.355	1
Perfluorooctanoic Acid (PFOA)	29.7		ng/l	1.89	0.223	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.89	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.89	0.649	1
Perfluorononanoic Acid (PFNA)	0.676	J	ng/l	1.89	0.294	1
Perfluorooctanesulfonic Acid (PFOS)	8.84		ng/l	1.89	0.476	1
Perfluorodecanoic Acid (PFDA)	0.457	J	ng/l	1.89	0.287	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.89	1.14	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.89	0.612	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.89	0.245	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.89	0.925	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.89	0.547	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.89	0.759	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.89	0.351	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.89	0.309	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.89	0.234	1
PFOA/PFOS, Total	38.5		ng/l	1.89	0.223	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	64		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	70		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**168**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**165**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	65		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		22-136

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/23/22 10:37
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:55

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified 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	51		21-120
Phenol-d6	41		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	56		15-120
2,4,6-Tribromophenol	81		10-120
4-Terphenyl-d14	61		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/22 12:20
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:59

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	0.74		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	0.02	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified 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	49		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	50		15-120
2,4,6-Tribromophenol	66		10-120
4-Terphenyl-d14	49		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/22 20:38
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/17/22 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	368.		ng/l	139	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 18:44
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	13.0		ng/l	1.85	0.377	1
Perfluoropentanoic Acid (PFPeA)	26.8		ng/l	1.85	0.366	1
Perfluorobutanesulfonic Acid (PFBS)	9.91		ng/l	1.85	0.220	1
Perfluorohexanoic Acid (PFHxA)	18.7		ng/l	1.85	0.303	1
Perfluoroheptanoic Acid (PFHpA)	13.8		ng/l	1.85	0.208	1
Perfluorohexanesulfonic Acid (PFHxS)	8.21		ng/l	1.85	0.347	1
Perfluorooctanoic Acid (PFOA)	44.1		ng/l	1.85	0.218	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.73	JF	ng/l	1.85	1.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.85	0.635	1
Perfluorononanoic Acid (PFNA)	2.08		ng/l	1.85	0.288	1
Perfluorooctanesulfonic Acid (PFOS)	26.8		ng/l	1.85	0.465	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.85	0.281	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.85	1.12	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.85	0.598	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.85	0.240	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.85	0.905	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.85	0.536	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.85	0.742	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.85	0.344	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.85	0.302	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.85	0.229	1
PFOA/PFOS, Total	70.9		ng/l	1.85	0.218	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**219**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**176**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		22-136

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-36
Client ID: FIELD BLANK GW
Sample Location: Not Specified

Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 19:17
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.93	0.394	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.93	0.382	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.93	0.230	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.93	0.316	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.93	0.217	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.93	0.363	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.93	0.228	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.47	J	ng/l	1.93	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.93	0.664	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.93	0.301	1
Perfluorooctanesulfonic Acid (PFOS)	4.82	F	ng/l	1.93	0.486	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.93	0.293	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.93	1.17	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.93	0.625	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.93	0.251	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.93	0.946	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.93	0.560	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.93	0.776	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.93	0.359	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.93	0.316	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.93	0.239	1
PFOA/PFOS, Total	4.82		ng/l	1.93	0.228	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-36 Date Collected: 08/16/22 14:05

Client ID: FIELD BLANK GW Date Received: 08/16/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	137		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	153		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-38
Client ID: SB-13 (0-2')
Sample Location: Not Specified

Date Collected: 08/17/22 09:20
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 04:10
Analyst: ALS
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 03:19

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	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-38 Date Collected: 08/17/22 09:20

Client ID: SB-13 (0-2') Date Received: 08/17/22

Sample Location: Not Specified 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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-38 Date Collected: 08/17/22 09:20

Client ID: SB-13 (0-2') Date Received: 08/17/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	83		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 03:23
Analyst: ALS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 03:19

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	ND		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40 Date Collected: 08/17/22 09:30

Client ID: SB-13 (3-5') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	110	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	31.	1
Chrysene	ND		ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40 Date Collected: 08/17/22 09:30

Client ID: SB-13 (3-5') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	29	8.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	71		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 15:41
Analyst: MP
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.558	0.025	1
Perfluoropentanoic Acid (PFPeA)	0.077	J	ng/g	0.558	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.279	0.044	1
Perfluorohexanoic Acid (PFHxA)	0.108	J	ng/g	0.558	0.059	1
Perfluoroheptanoic Acid (PFHpA)	0.060	J	ng/g	0.279	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.279	0.068	1
Perfluorooctanoic Acid (PFOA)	0.054	J	ng/g	0.279	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.558	0.200	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.558	0.152	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.279	0.084	1
Perfluorooctanesulfonic Acid (PFOS)	1.59		ng/g	0.279	0.145	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.279	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.558	0.320	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.558	0.225	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.558	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.558	0.171	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.558	0.094	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.558	0.078	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.558	0.228	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.558	0.060	1
PFOA/PFOS, Total	1.64	J	ng/g	0.279	0.047	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40 Date Collected: 08/17/22 09:30

Client ID: SB-13 (3-5') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	73		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	71		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**30**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/22 11:32
Analyst: MP
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.558	0.109	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	99		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-42
Client ID: SB-15 (0-2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:35
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 04:34
Analyst: ALS
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 03:19

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	130		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	28.	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-42 Date Collected: 08/17/22 10:35
Client ID: SB-15 (0-2') Date Received: 08/17/22
Sample Location: Not Specified 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	52	J	ug/kg	110	20.	1
Benzo(a)pyrene	57	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	71	J	ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	28.	1
Chrysene	54	J	ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	110	34.	1
Benzo(ghi)perylene	37	J	ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	80	J	ug/kg	110	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	41	J	ug/kg	140	25.	1
Pyrene	120		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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-42 Date Collected: 08/17/22 10:35

Client ID: SB-15 (0-2') Date Received: 08/17/22

Sample Location: Not Specified 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	75		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	78		10-136
4-Terphenyl-d14	77		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 02:12
Analyst: ALS
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 03:19

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44 Date Collected: 08/17/22 10:45
Client ID: SB-15 (3-5') Date Received: 08/17/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44 Date Collected: 08/17/22 10:45

Client ID: SB-15 (3-5') Date Received: 08/17/22

Sample Location: Not Specified 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	69		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	72		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 15:58
Analyst: MP
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.525	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.525	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.525	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	0.085	J	ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.525	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.525	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.263	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.525	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.525	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.525	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.525	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.525	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.525	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.525	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.525	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.525	0.057	1
PFOA/PFOS, Total	0.085	J	ng/g	0.263	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44 Date Collected: 08/17/22 10:45

Client ID: SB-15 (3-5') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/19/22 18:06
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Dibenzofuran	ND		ug/l	2.0	0.50	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	81		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 18:32
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

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	0.11	B	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified 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	42		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	76		15-120
2,4,6-Tribromophenol	111		10-120
4-Terphenyl-d14	72		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/22 21:54
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 16:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	38		15-110

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 18:20
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.79	0.366	1
Perfluoropentanoic Acid (PFPeA)	0.528	J	ng/l	1.79	0.355	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.79	0.214	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.79	0.294	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.79	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.79	0.337	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.79	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.79	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.79	0.617	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.79	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	1.24	JF	ng/l	1.79	0.452	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.79	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.79	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.79	0.582	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.79	0.233	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.79	0.880	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.79	0.520	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.79	0.722	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.79	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.79	0.294	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.79	0.222	1
PFOA/PFOS, Total	1.24	J	ng/l	1.79	0.212	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	125		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	157		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	103		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	115		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	100		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-50 D
Client ID: SB-20 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 14:03
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	740	96.	5
1,2,4-Trichlorobenzene	ND		ug/kg	930	110	5
Hexachlorobenzene	ND		ug/kg	560	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	840	120	5
2-Chloronaphthalene	ND		ug/kg	930	92.	5
1,2-Dichlorobenzene	ND		ug/kg	930	170	5
1,3-Dichlorobenzene	ND		ug/kg	930	160	5
1,4-Dichlorobenzene	ND		ug/kg	930	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	930	250	5
2,4-Dinitrotoluene	ND		ug/kg	930	180	5
2,6-Dinitrotoluene	ND		ug/kg	930	160	5
Fluoranthene	120	J	ug/kg	560	110	5
4-Chlorophenyl phenyl ether	ND		ug/kg	930	99.	5
4-Bromophenyl phenyl ether	ND		ug/kg	930	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	160	5
Bis(2-chloroethoxy)methane	ND		ug/kg	1000	93.	5
Hexachlorobutadiene	ND		ug/kg	930	140	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	840	5
Hexachloroethane	ND		ug/kg	740	150	5
Isophorone	ND		ug/kg	840	120	5
Naphthalene	ND		ug/kg	930	110	5
Nitrobenzene	ND		ug/kg	840	140	5
NDPA/DPA	ND		ug/kg	740	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	930	140	5
Bis(2-ethylhexyl)phthalate	1000		ug/kg	930	320	5
Butyl benzyl phthalate	ND		ug/kg	930	230	5
Di-n-butylphthalate	ND		ug/kg	930	180	5
Di-n-octylphthalate	ND		ug/kg	930	320	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-50 D
Client ID: SB-20 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
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	930	86.	5
Dimethyl phthalate	ND		ug/kg	930	190	5
Benzo(a)anthracene	ND		ug/kg	560	100	5
Benzo(a)pyrene	ND		ug/kg	740	230	5
Benzo(b)fluoranthene	190	J	ug/kg	560	160	5
Benzo(k)fluoranthene	ND		ug/kg	560	150	5
Chrysene	120	J	ug/kg	560	96.	5
Acenaphthylene	ND		ug/kg	740	140	5
Anthracene	ND		ug/kg	560	180	5
Benzo(ghi)perylene	ND		ug/kg	740	110	5
Fluorene	ND		ug/kg	930	90.	5
Phenanthrene	ND		ug/kg	560	110	5
Dibenzo(a,h)anthracene	ND		ug/kg	560	110	5
Indeno(1,2,3-cd)pyrene	ND		ug/kg	740	130	5
Pyrene	190	J	ug/kg	560	92.	5
Biphenyl	ND		ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	930	170	5
2-Nitroaniline	ND		ug/kg	930	180	5
3-Nitroaniline	ND		ug/kg	930	180	5
4-Nitroaniline	ND		ug/kg	930	380	5
Dibenzofuran	ND		ug/kg	930	88.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	930	97.	5
Acetophenone	ND		ug/kg	930	110	5
2,4,6-Trichlorophenol	ND		ug/kg	560	180	5
p-Chloro-m-cresol	2100		ug/kg	930	140	5
2-Chlorophenol	ND		ug/kg	930	110	5
2,4-Dichlorophenol	ND		ug/kg	840	150	5
2,4-Dimethylphenol	ND		ug/kg	930	310	5
2-Nitrophenol	ND		ug/kg	2000	350	5
4-Nitrophenol	ND		ug/kg	1300	380	5
2,4-Dinitrophenol	ND		ug/kg	4400	430	5
4,6-Dinitro-o-cresol	ND		ug/kg	2400	440	5
Pentachlorophenol	ND		ug/kg	740	200	5
Phenol	ND		ug/kg	930	140	5
2-Methylphenol	ND		ug/kg	930	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-50 D
Client ID: SB-20 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
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	930	180	5
Benzoic Acid	ND		ug/kg	3000	940	5
Benzyl Alcohol	ND		ug/kg	930	280	5
Carbazole	ND		ug/kg	930	90.	5
1,4-Dioxane	ND		ug/kg	140	43.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	61		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	66		30-120
2,4,6-Tribromophenol	56		10-136
4-Terphenyl-d14	64		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-52
Client ID: SB-20 (3-6')
Sample Location: Not Specified

Date Collected: 08/18/22 08:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 16:15
Analyst: CMM
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-52 Date Collected: 08/18/22 08:55

Client ID: SB-20 (3-6') Date Received: 08/18/22

Sample Location: Not Specified 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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	22.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	29.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-52 Date Collected: 08/18/22 08:55

Client ID: SB-20 (3-6') Date Received: 08/18/22

Sample Location: Not Specified 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	220	42.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	ND		ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	85		25-120
Phenol-d6	86		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	93		30-120
2,4,6-Tribromophenol	108		10-136
4-Terphenyl-d14	81		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/22/22 22:33
Analyst: CMM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:24

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	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	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	65	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54 Date Collected: 08/18/22 09:00

Client ID: SB-20 (7-9') Date Received: 08/18/22

Sample Location: Not Specified 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	29.	1
Chrysene	20	J	ug/kg	110	19.	1
Acenaphthylene	78	J	ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	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	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54 Date Collected: 08/18/22 09:00

Client ID: SB-20 (7-9') Date Received: 08/18/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	103		10-120
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	102		30-120
2,4,6-Tribromophenol	127		10-136
4-Terphenyl-d14	100		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 15:26
Analyst: SG
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.518	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.518	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.518	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.518	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.518	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.518	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.518	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.518	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.518	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.518	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.518	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.518	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.518	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.259	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54 Date Collected: 08/18/22 09:00

Client ID: SB-20 (7-9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	78		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**19**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	55		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:02
Analyst: SG
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.518	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/26/22 10:00
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15
Client ID: LBC-2 Date Received: 08/19/22
Sample Location: Not Specified 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	70		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	**134**	Q	10-120
4-Terphenyl-d14	99		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 13:59
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

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	0.15	B	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15

Client ID: LBC-2 Date Received: 08/19/22

Sample Location: Not Specified 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	75		21-120
Phenol-d6	64		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	**126**	Q	10-120
4-Terphenyl-d14	106		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 14:45
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	68.0	J	ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 RE
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/27/22 18:00
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 10:09

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	ND		ug/l	0.23	0.03	1
2-Chloronaphthalene	ND		ug/l	0.46	0.04	1
Fluoranthene	ND		ug/l	0.23	0.05	1
Hexachlorobutadiene	ND		ug/l	1.1	0.11	1
Naphthalene	ND		ug/l	0.23	0.11	1
Benzo(a)anthracene	ND		ug/l	0.23	0.05	1
Benzo(a)pyrene	ND		ug/l	0.23	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.23	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.23	0.02	1
Chrysene	ND		ug/l	0.23	0.03	1
Acenaphthylene	ND		ug/l	0.23	0.03	1
Anthracene	ND		ug/l	0.23	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.23	0.03	1
Fluorene	ND		ug/l	0.23	0.03	1
Phenanthrene	ND		ug/l	0.23	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.23	0.03	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.23	0.03	1
Pyrene	ND		ug/l	0.23	0.04	1
2-Methylnaphthalene	ND		ug/l	0.23	0.05	1
Pentachlorophenol	ND		ug/l	1.8	0.03	1
Hexachlorobenzene	ND		ug/l	1.8	0.02	1
Hexachloroethane	ND		ug/l	1.8	0.14	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 RE
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		21-120
Phenol-d6	54		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	105		10-120
4-Terphenyl-d14	87		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/28/22 17:54
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified 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	12.1	J	ug/l			1
Unknown	1.82	J	ug/l			1
Unknown Thiazole	2.98	J	ug/l			1
Unknown Organic Acid	2.00	JB	ug/l			1
Unknown Organic Acid	3.38	JB	ug/l			1
Unknown	1.89	J	ug/l			1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified 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	46		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	59		10-120
4-Terphenyl-d14	74		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/28/22 10:01
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	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	0.14		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	0.05	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	0.03	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified 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	51		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	65		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	68		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 15:06
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	102.	J	ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 04:25
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 19:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	17.2		ng/l	1.80	0.367	1
Perfluoropentanoic Acid (PFPeA)	36.6		ng/l	1.80	0.356	1
Perfluorobutanesulfonic Acid (PFBS)	7.11		ng/l	1.80	0.214	1
Perfluorohexanoic Acid (PFHxA)	25.4		ng/l	1.80	0.295	1
Perfluoroheptanoic Acid (PFHpA)	13.0		ng/l	1.80	0.202	1
Perfluorohexanesulfonic Acid (PFHxS)	26.1		ng/l	1.80	0.338	1
Perfluorooctanoic Acid (PFOA)	48.1		ng/l	1.80	0.212	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.45	J	ng/l	1.80	1.20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.80	0.619	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.80	0.280	1
Perfluorooctanesulfonic Acid (PFOS)	2.66		ng/l	1.80	0.453	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.80	0.273	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.80	1.09	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.98		ng/l	1.80	0.583	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.80	0.234	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.80	0.881	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.80	0.522	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.62		ng/l	1.80	0.723	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.80	0.334	1
Perfluorotridecanoic Acid (PFTrDA)	0.363	JF	ng/l	1.80	0.294	1
Perfluorotetradecanoic Acid (PFTA)	0.478	JF	ng/l	1.80	0.223	1
PFOA/PFOS, Total	50.8		ng/l	1.80	0.212	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	78		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**154**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	66		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/29/22 15:25
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	22.3	J	ug/l			1
Benzothiazole	4.00	NJ	ug/l			1
Unknown	2.44	J	ug/l			1
Unknown Organic Acid	5.64	JB	ug/l			1
Unknown Organic Acid	10.2	JB	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	64		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	80		15-120
2,4,6-Tribromophenol	79		10-120
4-Terphenyl-d14	92		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/28/22 10:49
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 15:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.10	0.01	1
2-Chloronaphthalene	ND		ug/l	0.20	0.02	1
Fluoranthene	0.03	J	ug/l	0.10	0.02	1
Hexachlorobutadiene	ND		ug/l	0.50	0.05	1
Naphthalene	0.09	J	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	0.01	J	ug/l	0.10	0.01	1
Phenanthrene	0.05	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	0.03	J	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	65		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	91		10-120
4-Terphenyl-d14	79		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 16:09
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	114.	J	ng/l	144	32.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 05:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 19:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	16.5		ng/l	1.86	0.381	1
Perfluoropentanoic Acid (PFPeA)	33.6		ng/l	1.86	0.369	1
Perfluorobutanesulfonic Acid (PFBS)	6.23		ng/l	1.86	0.222	1
Perfluorohexanoic Acid (PFHxA)	24.4		ng/l	1.86	0.306	1
Perfluoroheptanoic Acid (PFHpA)	12.2		ng/l	1.86	0.210	1
Perfluorohexanesulfonic Acid (PFHxS)	21.5		ng/l	1.86	0.351	1
Perfluorooctanoic Acid (PFOA)	47.9		ng/l	1.86	0.220	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.86	1.24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.86	0.642	1
Perfluorononanoic Acid (PFNA)	0.582	JF	ng/l	1.86	0.291	1
Perfluorooctanesulfonic Acid (PFOS)	2.43		ng/l	1.86	0.470	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.86	0.284	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.86	1.13	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.18		ng/l	1.86	0.604	1
Perfluoroundecanoic Acid (PFUnA)	0.250	JF	ng/l	1.86	0.242	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.86	0.914	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.86	0.541	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.02	F	ng/l	1.86	0.750	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.86	0.347	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.86	0.305	1
Perfluorotetradecanoic Acid (PFTA)	0.821	JF	ng/l	1.86	0.231	1
PFOA/PFOS, Total	50.3		ng/l	1.86	0.220	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	78		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	75		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**149**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	93		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	68		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-58
Client ID: FIELD BLANK-GW-02
Sample Location: Not Specified

Date Collected: 08/22/22 15:30
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 05:31
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 19:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.97	0.402	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.97	0.390	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.97	0.234	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.97	0.323	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.97	0.222	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.97	0.370	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.97	0.232	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.97	1.31	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.97	0.677	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.97	0.307	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.97	0.496	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.97	0.299	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.97	1.19	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.681	J	ng/l	1.97	0.638	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.97	0.256	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.97	0.965	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.97	0.571	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.953	J	ng/l	1.97	0.792	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.97	0.366	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.97	0.322	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.97	0.244	1
PFOA/PFOS, Total	ND		ng/l	1.97	0.232	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-58 Date Collected: 08/22/22 15:30

Client ID: FIELD BLANK-GW-02 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	111		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	126		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	115		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	123		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**256**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	155		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	111		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		22-136

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/01/22 14:20
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 13:14

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	1.5	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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	24.9	J	ug/l			1
Unknown Siloxane	1.53	J	ug/l			1
Unknown Alkane	3.42	J	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown	4.58	J	ug/l			1
Unknown	1.67	J	ug/l			1
Unknown	4.91	J	ug/l			1
Unknown	2.07	J	ug/l			1
Unknown	1.74	J	ug/l			1
Unknown	1.78	J	ug/l			1
Unknown	1.45	J	ug/l			1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	89		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/01/22 13:24
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 15:17

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.22	0.03	1
2-Chloronaphthalene	ND		ug/l	0.44	0.04	1
Fluoranthene	ND		ug/l	0.22	0.05	1
Hexachlorobutadiene	ND		ug/l	1.1	0.10	1
Naphthalene	0.19	J	ug/l	0.22	0.11	1
Benzo(a)anthracene	ND		ug/l	0.22	0.04	1
Benzo(a)pyrene	ND		ug/l	0.22	0.03	1
Benzo(b)fluoranthene	ND		ug/l	0.22	0.03	1
Benzo(k)fluoranthene	ND		ug/l	0.22	0.02	1
Chrysene	ND		ug/l	0.22	0.03	1
Acenaphthylene	0.03	J	ug/l	0.22	0.03	1
Anthracene	0.03	J	ug/l	0.22	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.22	0.03	1
Fluorene	0.07	J	ug/l	0.22	0.03	1
Phenanthrene	0.08	J	ug/l	0.22	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.22	0.03	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.22	0.03	1
Pyrene	ND		ug/l	0.22	0.04	1
2-Methylnaphthalene	0.14	J	ug/l	0.22	0.05	1
Pentachlorophenol	ND		ug/l	1.8	0.03	1
Hexachlorobenzene	ND		ug/l	1.8	0.02	1
Hexachloroethane	ND		ug/l	1.8	0.14	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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	67		21-120
Phenol-d6	65		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	68		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	68		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/26/22 12:42
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 11:57

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	47		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 03:22
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.82	0.372	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.82	0.361	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.82	0.217	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.82	0.299	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.82	0.205	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.82	0.342	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.82	0.215	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.85	B	ng/l	1.82	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.82	0.626	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.82	0.284	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.82	0.459	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.82	0.277	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.82	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.82	0.590	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.82	0.237	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.82	0.892	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.82	0.528	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.82	0.732	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.82	0.339	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.82	0.298	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.82	0.226	1
PFOA/PFOS, Total	ND		ng/l	1.82	0.215	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	152		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**161**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**118**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	34		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	86		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/17/22 17:09
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/16/22 16:38

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 13 Batch: WG1675910-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	56		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/17/22 11:36
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10 Batch: WG1675928-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/17/22 11:36
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10 Batch: WG1675928-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**43**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**62**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**50**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**51**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**61**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**55**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**48**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**64**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**55**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	47		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**53**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**42**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q	24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 11:09
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/16/22 17:10

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 08,10 Batch: WG1675928-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	111		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 16:31
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 13-14,34-36 Batch: WG1676280-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.44	J	ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 16:31
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 10:58

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 13-14,34-36 Batch: WG1676280-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	114		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	112		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	105		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	52		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	112		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/18/22 13:58
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/17/22 16:30

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 34-35 Batch: WG1676386-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 16:50
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/18/22 16:50
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	60		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	76		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**59**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**60**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**75**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**68**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**73**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**50**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 11:53
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/17/22 17:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**125**	Q	10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 09:38
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 00:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44 Batch: WG1676574-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 09:38
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 00:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44 Batch: WG1676574-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	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	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	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	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 09:38
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 00:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44 Batch: WG1676574-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
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	7.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-120
Phenol-d6	53		10-120
Nitrobenzene-d5	56		23-120
2-Fluorobiphenyl	51		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	56		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 13:56
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 45 Batch: WG1676600-1					
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	0.29		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	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	0.08	J	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/18/22 13:56
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 45 Batch: WG1676600-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	49		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	53		15-120
2,4,6-Tribromophenol	67		10-120
4-Terphenyl-d14	50		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 12:46
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 45 Batch: WG1676601-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 12:46
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 45 Batch: WG1676601-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/18/22 12:46
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 03:45

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 45 Batch: WG1676601-1					
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	36		21-120
Phenol-d6	30		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	45		15-120
2,4,6-Tribromophenol	53		10-120
4-Terphenyl-d14	45		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 09:20
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 40,44 Batch: WG1676686-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/19/22 09:20
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 40,44 Batch: WG1676686-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**56**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	61		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**65**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**62**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**62**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**64**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**60**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**62**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**58**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	45		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	20		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**33**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**53**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**19**	Q	24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/24/22 11:11
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/18/22 08:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 40,44 Batch: WG1676686-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	110		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/22/22 12:34
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 16:00

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 45 Batch: WG1676981-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	53		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:06
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 19:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08,10 Batch: WG1677029-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:06
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 19:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08,10 Batch: WG1677029-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	39.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	31.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	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	53.
2-Nitrophenol	ND		ug/kg	350	61.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:06
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 19:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 04,08,10 Batch: WG1677029-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	770	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	77.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	49.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.4
Tentatively Identified Compounds					
No Tentatively Identified Compounds	ND		ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	94		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 17:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 01:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1677089-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	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	100	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	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 17:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 01:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1677089-1					
Dimethyl phthalate	ND		ug/kg	160	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	160	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	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
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	100	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 17:40
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 01:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,06 Batch: WG1677089-1					
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	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	68		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	64		10-136
4-Terphenyl-d14	69		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 17:31
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 45 Batch: WG1677428-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.74	J	ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/20/22 17:31
Analyst: MP

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 45 Batch: WG1677428-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	134		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	107		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	132		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**123**	Q	24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	98		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	39		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	102		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 12:57
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 54 Batch: WG1677434-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.218	J	ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 12:57
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 54 Batch: WG1677434-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**43**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**45**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**53**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**49**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**53**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	37		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**35**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**45**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**41**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	30		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**28**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**28**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**9**	Q	24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 14:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 54 Batch: WG1677434-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:19
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21,23,26,28,30 Batch: WG1677435-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:19
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21,23,26,28,30 Batch: WG1677435-1					
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/20/22 15:19
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 15:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 21,23,26,28,30 Batch: WG1677435-1					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	80		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 16:53
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16,18,32,54 Batch: WG1677495-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 16:53
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16,18,32,54 Batch: WG1677495-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 16:53
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:24

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 16,18,32,54 Batch: WG1677495-1					
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	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	88		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/22/22 09:14
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 14:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1677869-1					
Acenaphthene	0.04	J	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	0.29		ug/l	0.10	0.05
Benzo(a)anthracene	0.02	J	ug/l	0.10	0.02
Benzo(a)pyrene	ND		ug/l	0.10	0.02
Benzo(b)fluoranthene	ND		ug/l	0.10	0.01
Benzo(k)fluoranthene	ND		ug/l	0.10	0.01
Chrysene	0.01	J	ug/l	0.10	0.01
Acenaphthylene	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	0.03	J	ug/l	0.10	0.01
Phenanthrene	0.04	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	0.10	J	ug/l	0.10	0.02
Pentachlorophenol	0.15	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/22/22 09:14
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 14:39

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 13 Batch: WG1677869-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		21-120
Phenol-d6	48		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	67		15-120
2,4,6-Tribromophenol	88		10-120
4-Terphenyl-d14	71		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 09:06
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 17:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1677895-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 09:06
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 17:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1677895-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 09:06
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 17:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1677895-1					
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	10.5	J	ug/l
Unknown Alkane	2.22	J	ug/l
Unknown	3.60	J	ug/l
Unknown	2.33	J	ug/l
Unknown	2.36	J	ug/l

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/22/22 09:06
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 17:01

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 13 Batch: WG1677895-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	39		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	89		10-120
4-Terphenyl-d14	73		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 09:07
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678379-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 09:07
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678379-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 09:07
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 34-35 Batch: WG1678379-1					
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	52		21-120
Phenol-d6	40		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	58		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	63		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/22 13:25
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 34-35 Batch: WG1678382-1					
Acenaphthene	ND		ug/l	0.10	0.01
2-Chloronaphthalene	ND		ug/l	0.20	0.02
Fluoranthene	0.04	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	0.07	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.06	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.12		ug/l	0.10	0.01
Benzo(k)fluoranthene	0.03	J	ug/l	0.10	0.01
Chrysene	0.07	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	0.06	J	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	0.02	J	ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.06	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	ND		ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/23/22 13:25
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 23:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 34-35 Batch: WG1678382-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	39		21-120
Phenol-d6	33		10-120
Nitrobenzene-d5	47		23-120
2-Fluorobiphenyl	40		15-120
2,4,6-Tribromophenol	49		10-120
4-Terphenyl-d14	**38**	Q	41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 50,52 Batch: WG1678664-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 50,52 Batch: WG1678664-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 50,52 Batch: WG1678664-1					
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	99		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	116		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 03:51
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 19:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 56-58 Batch: WG1678782-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 03:51
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 19:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 56-58 Batch: WG1678782-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 12:21
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 55-57 Batch: WG1678995-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/26/22 11:14
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 11:57

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 59 Batch: WG1679633-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	51		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 02:32
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 59 Batch: WG1679728-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	71.3		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 02:32
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 59 Batch: WG1679728-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	148		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	60		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 21:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 59 Batch: WG1679728-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101		10-112

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1679865-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1679865-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1679865-1					
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	53		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	99		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 12:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 55 Batch: WG1679871-1					
Acenaphthene	0.02	J	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	0.11		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	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.04	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	0.03	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 12:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 55 Batch: WG1679871-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	**133**	Q	10-120
4-Terphenyl-d14	88		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/27/22 17:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 10:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 55-57 Batch: WG1680408-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/27/22 17:44
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 10:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 55-57 Batch: WG1680408-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		21-120
Phenol-d6	68		10-120
Nitrobenzene-d5	99		23-120
2-Fluorobiphenyl	87		15-120
2,4,6-Tribromophenol	119		10-120
4-Terphenyl-d14	101		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1680454-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1680454-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1680454-1					
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	6.36	J	ug/l
Unknown Organic Acid	2.91	J	ug/l
Unknown Organic Acid	1.96	J	ug/l
Unknown	1.49	J	ug/l

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 56-57 Batch: WG1680454-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	87		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1681400-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1681400-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1681400-1					
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	6.87	J	ug/l
Unknown	1.49	J	ug/l
Unknown	2.76	J	ug/l
Unknown Siloxane	2.62	J	ug/l

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:11
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 13:14

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 59 Batch: WG1681400-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	38		21-120
Phenol-d6	32		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	52		15-120
2,4,6-Tribromophenol	65		10-120
4-Terphenyl-d14	62		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/31/22 09:16
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 59 Batch: WG1681674-1					
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	0.01	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/31/22 09:16
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 59 Batch: WG1681674-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	79		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 13 Batch: WG1675910-2 WG1675910-3								
1,4-Dioxane	113		114		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	52		52		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 08,10		Batch: WG1675928-2					
Perfluorobutanoic Acid (PFBA)	92		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	97		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	113		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	98		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	116		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	99		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	101		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	127		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	114		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	99		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	83		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	99		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	100		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	114		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 Batch: WG1675928-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**46**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**49**	Q			58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**62**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**52**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**54**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**60**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**56**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	56				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**54**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**64**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**55**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	45				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**54**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**44**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**17**	Q			24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 08,10		Batch: WG1675928-2					
Perfluorooctanesulfonamide (FOSA)	92		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	115				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 Batch: WG1676280-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	93		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	93		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	92		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	93		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	110		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	91		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	81		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	82		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	90		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	115		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	110		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	125		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	84		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	95		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	108		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	88		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	69		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 Batch: WG1676280-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	95				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	49				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	60				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 34-35		Batch: WG1676386-2		WG1676386-3			
1,4-Dioxane	115		116		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	41		44		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-2								
Perfluorobutanoic Acid (PFBA)	93		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	96		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	100		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	96		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	113		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	93		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	109		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	83		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	81		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	88		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	83		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	**138**	Q	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	114		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	122		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	74		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	77		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	103		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	104		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	109		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	72		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**42**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q			58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**51**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**56**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**76**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	59				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79				72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75				75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	63				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	37				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**53**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41				24-159

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Project Name: 101 E 151ST STREET RI

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Lab Number: L2243951

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 16,18-19,23,26,30,32-33 Batch: WG1676431-2								
Perfluorooctanesulfonamide (FOSA)	95		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**119**	Q			10-117

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2243951

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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): 38,40,42,44 Batch: WG1676574-2 WG1676574-3								
Acenaphthene	43		42		31-137	2		50
1,2,4-Trichlorobenzene	48		46		38-107	4		50
Hexachlorobenzene	50		49		40-140	2		50
Bis(2-chloroethyl)ether	43		42		40-140	2		50
2-Chloronaphthalene	48		46		40-140	4		50
1,2-Dichlorobenzene	46		44		40-140	4		50
1,3-Dichlorobenzene	44		43		40-140	2		50
1,4-Dichlorobenzene	45		43		28-104	5		50
3,3'-Dichlorobenzidine	**37**	Q	40		40-140	8		50
2,4-Dinitrotoluene	48		48		40-132	0		50
2,6-Dinitrotoluene	51		50		40-140	2		50
Fluoranthene	45		44		40-140	2		50
4-Chlorophenyl phenyl ether	43		42		40-140	2		50
4-Bromophenyl phenyl ether	47		45		40-140	4		50
Bis(2-chloroisopropyl)ether	**37**	Q	**35**	Q	40-140	6		50
Bis(2-chloroethoxy)methane	44		43		40-117	2		50
Hexachlorobutadiene	45		44		40-140	2		50
Hexachlorocyclopentadiene	**28**	Q	**28**	Q	40-140	0		50
Hexachloroethane	44		41		40-140	7		50
Isophorone	44		43		40-140	2		50
Naphthalene	44		43		40-140	2		50
Nitrobenzene	48		48		40-140	0		50
NDPA/DPA	45		45		36-157	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44 Batch: WG1676574-2 WG1676574-3								
n-Nitrosodi-n-propylamine	43		42		32-121	2		50
Bis(2-ethylhexyl)phthalate	43		41		40-140	5		50
Butyl benzyl phthalate	46		46		40-140	0		50
Di-n-butylphthalate	43		42		40-140	2		50
Di-n-octylphthalate	43		41		40-140	5		50
Diethyl phthalate	42		42		40-140	0		50
Dimethyl phthalate	46		45		40-140	2		50
Benzo(a)anthracene	43		41		40-140	5		50
Benzo(a)pyrene	45		44		40-140	2		50
Benzo(b)fluoranthene	45		43		40-140	5		50
Benzo(k)fluoranthene	46		44		40-140	4		50
Chrysene	43		41		40-140	5		50
Acenaphthylene	49		47		40-140	4		50
Anthracene	44		44		40-140	0		50
Benzo(ghi)perylene	44		41		40-140	7		50
Fluorene	44		44		40-140	0		50
Phenanthrene	43		42		40-140	2		50
Dibenzo(a,h)anthracene	44		41		40-140	7		50
Indeno(1,2,3-cd)pyrene	50		48		40-140	4		50
Pyrene	46		45		35-142	2		50
Biphenyl	45		44		37-127	2		50
4-Chloroaniline	40		42		40-140	5		50
2-Nitroaniline	56		54		47-134	4		50

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Project Name: 101 E 151ST STREET RI

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Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44 Batch: WG1676574-2 WG1676574-3								
3-Nitroaniline	47		48		26-129	2		50
4-Nitroaniline	50		49		41-125	2		50
Dibenzofuran	43		43		40-140	0		50
2-Methylnaphthalene	46		44		40-140	4		50
1,2,4,5-Tetrachlorobenzene	47		46		40-117	2		50
Acetophenone	46		44		14-144	4		50
2,4,6-Trichlorophenol	53		51		30-130	4		50
p-Chloro-m-cresol	51		49		26-103	4		50
2-Chlorophenol	49		48		25-102	2		50
2,4-Dichlorophenol	52		50		30-130	4		50
2,4-Dimethylphenol	49		48		30-130	2		50
2-Nitrophenol	56		52		30-130	7		50
4-Nitrophenol	39		35		11-114	11		50
2,4-Dinitrophenol	14		16		4-130	13		50
4,6-Dinitro-o-cresol	27		28		10-130	4		50
Pentachlorophenol	45		44		17-109	2		50
Phenol	47		46		26-90	2		50
2-Methylphenol	48		48		30-130.	0		50
3-Methylphenol/4-Methylphenol	50		48		30-130	4		50
2,4,5-Trichlorophenol	55		53		30-130	4		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	48		46		40-140	4		50
Carbazole	**46**	Q	**45**	Q	54-128	2		50

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Lab Number: L2243951

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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): 38,40,42,44 Batch: WG1676574-2 WG1676574-3								
1,4-Dioxane	**31**	Q	**30**	Q	40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		51		25-120
Phenol-d6	52		50		10-120
Nitrobenzene-d5	55		53		23-120
2-Fluorobiphenyl	49		48		30-120
2,4,6-Tribromophenol	67		64		10-136
4-Terphenyl-d14	50		49		18-120

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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): 45 Batch: WG1676600-2 WG1676600-3								
Acenaphthene	76		70		40-140	**104**	Q	40
2-Chloronaphthalene	72		66		40-140	**103**	Q	40
Fluoranthene	70		67		40-140	**101**	Q	40
Hexachlorobutadiene	65		62		40-140	**102**	Q	40
Naphthalene	73		70		40-140	**104**	Q	40
Benzo(a)anthracene	75		70		40-140	**104**	Q	40
Benzo(a)pyrene	64		61		40-140	**101**	Q	40
Benzo(b)fluoranthene	72		67		40-140	**105**	Q	40
Benzo(k)fluoranthene	70		67		40-140	**101**	Q	40
Chrysene	73		70		40-140	**104**	Q	40
Acenaphthylene	69		64		40-140	**105**	Q	40
Anthracene	72		67		40-140	**105**	Q	40
Benzo(ghi)perylene	75		71		40-140	**105**	Q	40
Fluorene	78		73		40-140	**104**	Q	40
Phenanthrene	71		67		40-140	**105**	Q	40
Dibenzo(a,h)anthracene	77		73		40-140	**104**	Q	40
Indeno(1,2,3-cd)pyrene	79		75		40-140	**103**	Q	40
Pyrene	71		67		40-140	**98**	Q	40
2-Methylnaphthalene	74		69		40-140	**103**	Q	40
Pentachlorophenol	**36**	Q	**38**	Q	40-140	**92**	Q	40
Hexachlorobenzene	75		71		40-140	**105**	Q	40
Hexachloroethane	63		58		40-140	**105**	Q	40

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): 45 Batch: WG1676600-2 WG1676600-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		61		21-120
Phenol-d6	60		55		10-120
Nitrobenzene-d5	90		81		23-120
2-Fluorobiphenyl	75		69		15-120
2,4,6-Tribromophenol	100		91		10-120
4-Terphenyl-d14	72		67		41-149

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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): 45 Batch: WG1676601-2 WG1676601-3								
Acenaphthene	49		48		37-111	2		30
1,2,4-Trichlorobenzene	50		52		39-98	4		30
Hexachlorobenzene	58		55		40-140	5		30
Bis(2-chloroethyl)ether	47		48		40-140	2		30
2-Chloronaphthalene	50		49		40-140	2		30
1,2-Dichlorobenzene	48		51		40-140	6		30
1,3-Dichlorobenzene	48		51		40-140	6		30
1,4-Dichlorobenzene	48		49		36-97	2		30
3,3'-Dichlorobenzidine	47		46		40-140	2		30
2,4-Dinitrotoluene	**47**	Q	48		48-143	2		30
2,6-Dinitrotoluene	47		50		40-140	6		30
Fluoranthene	49		47		40-140	4		30
4-Chlorophenyl phenyl ether	51		50		40-140	2		30
4-Bromophenyl phenyl ether	54		51		40-140	6		30
Bis(2-chloroisopropyl)ether	44		44		40-140	0		30
Bis(2-chloroethoxy)methane	50		48		40-140	4		30
Hexachlorobutadiene	54		54		40-140	0		30
Hexachlorocyclopentadiene	53		53		40-140	0		30
Hexachloroethane	53		54		40-140	2		30
Isophorone	48		49		40-140	2		30
Naphthalene	48		49		40-140	2		30
Nitrobenzene	50		52		40-140	4		30
NDPA/DPA	52		51		40-140	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

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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): 45 Batch: WG1676601-2 WG1676601-3								
n-Nitrosodi-n-propylamine	52		50		29-132	4		30
Bis(2-ethylhexyl)phthalate	59		56		40-140	5		30
Butyl benzyl phthalate	57		54		40-140	5		30
Di-n-butylphthalate	52		49		40-140	6		30
Di-n-octylphthalate	59		58		40-140	2		30
Diethyl phthalate	55		53		40-140	4		30
Dimethyl phthalate	49		49		40-140	0		30
Benzo(a)anthracene	53		51		40-140	4		30
Benzo(a)pyrene	57		56		40-140	2		30
Benzo(b)fluoranthene	52		50		40-140	4		30
Benzo(k)fluoranthene	52		52		40-140	0		30
Chrysene	48		48		40-140	0		30
Acenaphthylene	54		53		45-123	2		30
Anthracene	49		48		40-140	2		30
Benzo(ghi)perylene	46		45		40-140	2		30
Fluorene	51		49		40-140	4		30
Phenanthrene	47		45		40-140	4		30
Dibenzo(a,h)anthracene	45		43		40-140	5		30
Indeno(1,2,3-cd)pyrene	48		47		40-140	2		30
Pyrene	48		46		26-127	4		30
Biphenyl	51		49		40-140	4		30
4-Chloroaniline	47		49		40-140	4		30
2-Nitroaniline	**51**	Q	**50**	Q	52-143	2		30

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Lab Number: L2243951

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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): 45 Batch: WG1676601-2 WG1676601-3								
3-Nitroaniline	50		50		25-145	0		30
4-Nitroaniline	51		**49**	Q	51-143	4		30
Dibenzofuran	51		50		40-140	2		30
2-Methylnaphthalene	49		48		40-140	2		30
1,2,4,5-Tetrachlorobenzene	54		55		2-134	2		30
Acetophenone	52		52		39-129	0		30
2,4,6-Trichlorophenol	55		54		30-130	2		30
p-Chloro-m-cresol	54		52		23-97	4		30
2-Chlorophenol	48		49		27-123	2		30
2,4-Dichlorophenol	54		53		30-130	2		30
2,4-Dimethylphenol	51		49		30-130	4		30
2-Nitrophenol	51		52		30-130	2		30
4-Nitrophenol	38		37		10-80	3		30
2,4-Dinitrophenol	43		56		20-130	26		30
4,6-Dinitro-o-cresol	41		47		20-164	14		30
Pentachlorophenol	45		55		9-103	20		30
Phenol	29		29		12-110	0		30
2-Methylphenol	46		45		30-130	2		30
3-Methylphenol/4-Methylphenol	44		43		30-130	2		30
2,4,5-Trichlorophenol	54		56		30-130	4		30
Benzoic Acid	41		52		10-164	24		30
Benzyl Alcohol	49		50		26-116	2		30
Carbazole	**51**	Q	**48**	Q	55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 45 Batch: WG1676601-2 WG1676601-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	39		38		21-120
Phenol-d6	30		31		10-120
Nitrobenzene-d5	52		54		23-120
2-Fluorobiphenyl	51		48		15-120
2,4,6-Tribromophenol	63		64		10-120
4-Terphenyl-d14	49		45		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,44 Batch: WG1676686-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	106		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	122		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	105		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	97		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	107		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	106		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	108		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	105		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	88		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	108		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	130		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	121		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,44 Batch: WG1676686-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**49**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**50**	Q			58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**50**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**55**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**55**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**50**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**54**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	36				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**50**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**55**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**55**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	34				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**55**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q			34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**50**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**21**	Q			24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 40,44		Batch: WG1676686-2					
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	105				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 45 Batch: WG1676981-2 WG1676981-3								
1,4-Dioxane	107		109		40-140	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		48		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08,10 Batch: WG1677029-2 WG1677029-3								
Acenaphthene	91		74		31-137	21		50
1,2,4-Trichlorobenzene	88		64		38-107	32		50
Hexachlorobenzene	92		74		40-140	22		50
Bis(2-chloroethyl)ether	79		59		40-140	29		50
2-Chloronaphthalene	92		73		40-140	23		50
1,2-Dichlorobenzene	82		62		40-140	28		50
1,3-Dichlorobenzene	81		62		40-140	27		50
1,4-Dichlorobenzene	80		61		28-104	27		50
3,3'-Dichlorobenzidine	84		67		40-140	23		50
2,4-Dinitrotoluene	94		75		40-132	22		50
2,6-Dinitrotoluene	93		73		40-140	24		50
Fluoranthene	92		75		40-140	20		50
4-Chlorophenyl phenyl ether	93		75		40-140	21		50
4-Bromophenyl phenyl ether	93		74		40-140	23		50
Bis(2-chloroisopropyl)ether	70		50		40-140	33		50
Bis(2-chloroethoxy)methane	86		66		40-117	26		50
Hexachlorobutadiene	87		65		40-140	29		50
Hexachlorocyclopentadiene	53		**32**	Q	40-140	49		50
Hexachloroethane	80		60		40-140	29		50
Isophorone	82		62		40-140	28		50
Naphthalene	89		69		40-140	25		50
Nitrobenzene	85		63		40-140	30		50
NDPA/DPA	93		75		36-157	21		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08,10 Batch: WG1677029-2 WG1677029-3								
n-Nitrosodi-n-propylamine	82		60		32-121	31		50
Bis(2-ethylhexyl)phthalate	107		85		40-140	23		50
Butyl benzyl phthalate	93		74		40-140	23		50
Di-n-butylphthalate	96		76		40-140	23		50
Di-n-octylphthalate	102		82		40-140	22		50
Diethyl phthalate	94		75		40-140	22		50
Dimethyl phthalate	93		73		40-140	24		50
Benzo(a)anthracene	98		78		40-140	23		50
Benzo(a)pyrene	95		78		40-140	20		50
Benzo(b)fluoranthene	96		76		40-140	23		50
Benzo(k)fluoranthene	93		80		40-140	15		50
Chrysene	97		79		40-140	20		50
Acenaphthylene	94		75		40-140	22		50
Anthracene	93		74		40-140	23		50
Benzo(ghi)perylene	90		73		40-140	21		50
Fluorene	96		77		40-140	22		50
Phenanthrene	92		74		40-140	22		50
Dibenzo(a,h)anthracene	92		72		40-140	24		50
Indeno(1,2,3-cd)pyrene	100		80		40-140	22		50
Pyrene	93		74		35-142	23		50
Biphenyl	91		71		37-127	25		50
4-Chloroaniline	70		52		40-140	30		50
2-Nitroaniline	94		75		47-134	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08,10 Batch: WG1677029-2 WG1677029-3								
3-Nitroaniline	82		70		26-129	16		50
4-Nitroaniline	89		70		41-125	24		50
Dibenzofuran	94		76		40-140	21		50
2-Methylnaphthalene	93		74		40-140	23		50
1,2,4,5-Tetrachlorobenzene	92		71		40-117	26		50
Acetophenone	82		61		14-144	29		50
2,4,6-Trichlorophenol	98		74		30-130	28		50
p-Chloro-m-cresol	98		76		26-103	25		50
2-Chlorophenol	90		67		25-102	29		50
2,4-Dichlorophenol	96		73		30-130	27		50
2,4-Dimethylphenol	90		68		30-130	28		50
2-Nitrophenol	87		64		30-130	30		50
4-Nitrophenol	95		76		11-114	22		50
2,4-Dinitrophenol	46		31		4-130	39		50
4,6-Dinitro-o-cresol	88		67		10-130	27		50
Pentachlorophenol	71		53		17-109	29		50
Phenol	83		64		26-90	26		50
2-Methylphenol	90		69		30-130.	26		50
3-Methylphenol/4-Methylphenol	100		76		30-130	27		50
2,4,5-Trichlorophenol	99		77		30-130	25		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	90		66		40-140	31		50
Carbazole	94		75		54-128	22		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 04,08,10 Batch: WG1677029-2 WG1677029-3								
1,4-Dioxane	50		44		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	91		65		25-120
Phenol-d6	92		69		10-120
Nitrobenzene-d5	84		61		23-120
2-Fluorobiphenyl	92		71		30-120
2,4,6-Tribromophenol	96		74		10-136
4-Terphenyl-d14	90		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1677089-2 WG1677089-3								
Acenaphthene	67		70		31-137	4		50
1,2,4-Trichlorobenzene	65		70		38-107	7		50
Hexachlorobenzene	69		75		40-140	8		50
Bis(2-chloroethyl)ether	65		69		40-140	6		50
2-Chloronaphthalene	64		67		40-140	5		50
1,2-Dichlorobenzene	64		67		40-140	5		50
1,3-Dichlorobenzene	64		68		40-140	6		50
1,4-Dichlorobenzene	64		66		28-104	3		50
3,3'-Dichlorobenzidine	60		66		40-140	10		50
2,4-Dinitrotoluene	69		76		40-132	10		50
2,6-Dinitrotoluene	67		72		40-140	7		50
Fluoranthene	70		75		40-140	7		50
4-Chlorophenyl phenyl ether	65		71		40-140	9		50
4-Bromophenyl phenyl ether	69		75		40-140	8		50
Bis(2-chloroisopropyl)ether	66		70		40-140	6		50
Bis(2-chloroethoxy)methane	67		72		40-117	7		50
Hexachlorobutadiene	65		67		40-140	3		50
Hexachlorocyclopentadiene	62		66		40-140	6		50
Hexachloroethane	63		64		40-140	2		50
Isophorone	64		70		40-140	9		50
Naphthalene	67		70		40-140	4		50
Nitrobenzene	63		68		40-140	8		50
NDPA/DPA	66		74		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1677089-2 WG1677089-3								
n-Nitrosodi-n-propylamine	64		68		32-121	6		50
Bis(2-ethylhexyl)phthalate	68		70		40-140	3		50
Butyl benzyl phthalate	68		77		40-140	12		50
Di-n-butylphthalate	66		76		40-140	14		50
Di-n-octylphthalate	68		72		40-140	6		50
Diethyl phthalate	65		71		40-140	9		50
Dimethyl phthalate	65		70		40-140	7		50
Benzo(a)anthracene	66		70		40-140	6		50
Benzo(a)pyrene	77		78		40-140	1		50
Benzo(b)fluoranthene	72		76		40-140	5		50
Benzo(k)fluoranthene	71		78		40-140	9		50
Chrysene	68		72		40-140	6		50
Acenaphthylene	66		70		40-140	6		50
Anthracene	70		73		40-140	4		50
Benzo(ghi)perylene	69		74		40-140	7		50
Fluorene	64		71		40-140	10		50
Phenanthrene	66		70		40-140	6		50
Dibenzo(a,h)anthracene	66		73		40-140	10		50
Indeno(1,2,3-cd)pyrene	71		81		40-140	13		50
Pyrene	70		78		35-142	11		50
Biphenyl	64		68		37-127	6		50
4-Chloroaniline	65		54		40-140	18		50
2-Nitroaniline	65		70		47-134	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1677089-2 WG1677089-3								
3-Nitroaniline	65		72		26-129	10		50
4-Nitroaniline	67		76		41-125	13		50
Dibenzofuran	67		73		40-140	9		50
2-Methylnaphthalene	66		71		40-140	7		50
1,2,4,5-Tetrachlorobenzene	65		68		40-117	5		50
Acetophenone	62		66		14-144	6		50
2,4,6-Trichlorophenol	68		73		30-130	7		50
p-Chloro-m-cresol	69		73		26-103	6		50
2-Chlorophenol	70		74		25-102	6		50
2,4-Dichlorophenol	69		75		30-130	8		50
2,4-Dimethylphenol	71		77		30-130	8		50
2-Nitrophenol	66		71		30-130	7		50
4-Nitrophenol	67		73		11-114	9		50
2,4-Dinitrophenol	41		28		4-130	38		50
4,6-Dinitro-o-cresol	58		50		10-130	15		50
Pentachlorophenol	51		60		17-109	16		50
Phenol	71		76		26-90	7		50
2-Methylphenol	68		75		30-130.	10		50
3-Methylphenol/4-Methylphenol	67		73		30-130	9		50
2,4,5-Trichlorophenol	67		69		30-130	3		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	69		75		40-140	8		50
Carbazole	69		74		54-128	7		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,06 Batch: WG1677089-2 WG1677089-3								
1,4-Dioxane	50		52		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	69		76		25-120
Phenol-d6	70		76		10-120
Nitrobenzene-d5	64		68		23-120
2-Fluorobiphenyl	62		65		30-120
2,4,6-Tribromophenol	64		71		10-136
4-Terphenyl-d14	69		77		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 45 Batch: WG1677428-2								
Perfluorobutanoic Acid (PFBA)	100		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	97		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	99		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	97		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	109		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	105		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	101		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	116		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	118		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	105		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	105		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	126		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	100		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	115		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	106		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	100		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	118		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 45 Batch: WG1677428-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	133				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	110				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	106				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	46				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	97				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	105				22-136

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Project Number: 41.0162951.10

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 54 Batch: WG1677434-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	101		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	108		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	113		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	119		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	106		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	111		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	83		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	113		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	59		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	86		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	122		-		69-133	-		30

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 54 Batch: WG1677434-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**58**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	60				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**63**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**61**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**61**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**64**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**46**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**56**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**53**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	47				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**43**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q			34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q			24-159

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 54 Batch: WG1677434-2								
Perfluorooctanesulfonamide (FOSA)	96		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97				10-117

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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): 21,23,26,28,30 Batch: WG1677435-2 WG1677435-3								
Acenaphthene	82		80		31-137	2		50
1,2,4-Trichlorobenzene	75		74		38-107	1		50
Hexachlorobenzene	85		79		40-140	7		50
Bis(2-chloroethyl)ether	76		71		40-140	7		50
2-Chloronaphthalene	77		73		40-140	5		50
1,2-Dichlorobenzene	73		74		40-140	1		50
1,3-Dichlorobenzene	75		75		40-140	0		50
1,4-Dichlorobenzene	73		74		28-104	1		50
3,3'-Dichlorobenzidine	66		62		40-140	6		50
2,4-Dinitrotoluene	87		84		40-132	4		50
2,6-Dinitrotoluene	82		74		40-140	10		50
Fluoranthene	94		81		40-140	15		50
4-Chlorophenyl phenyl ether	84		80		40-140	5		50
4-Bromophenyl phenyl ether	86		84		40-140	2		50
Bis(2-chloroisopropyl)ether	76		78		40-140	3		50
Bis(2-chloroethoxy)methane	74		75		40-117	1		50
Hexachlorobutadiene	75		74		40-140	1		50
Hexachlorocyclopentadiene	68		68		40-140	0		50
Hexachloroethane	72		72		40-140	0		50
Isophorone	73		74		40-140	1		50
Naphthalene	77		76		40-140	1		50
Nitrobenzene	74		73		40-140	1		50
NDPA/DPA	86		78		36-157	10		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): 21,23,26,28,30 Batch: WG1677435-2 WG1677435-3								
n-Nitrosodi-n-propylamine	76		73		32-121	4		50
Bis(2-ethylhexyl)phthalate	89		81		40-140	9		50
Butyl benzyl phthalate	88		82		40-140	7		50
Di-n-butylphthalate	92		81		40-140	13		50
Di-n-octylphthalate	90		78		40-140	14		50
Diethyl phthalate	84		80		40-140	5		50
Dimethyl phthalate	79		72		40-140	9		50
Benzo(a)anthracene	87		79		40-140	10		50
Benzo(a)pyrene	93		84		40-140	10		50
Benzo(b)fluoranthene	94		89		40-140	5		50
Benzo(k)fluoranthene	89		85		40-140	5		50
Chrysene	88		82		40-140	7		50
Acenaphthylene	79		73		40-140	8		50
Anthracene	92		84		40-140	9		50
Benzo(ghi)perylene	91		86		40-140	6		50
Fluorene	85		80		40-140	6		50
Phenanthrene	88		80		40-140	10		50
Dibenzo(a,h)anthracene	90		89		40-140	1		50
Indeno(1,2,3-cd)pyrene	99		95		40-140	4		50
Pyrene	94		82		35-142	14		50
Biphenyl	77		73		37-127	5		50
4-Chloroaniline	50		48		40-140	4		50
2-Nitroaniline	80		73		47-134	9		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): 21,23,26,28,30 Batch: WG1677435-2 WG1677435-3								
3-Nitroaniline	69		67		26-129	3		50
4-Nitroaniline	86		81		41-125	6		50
Dibenzofuran	84		80		40-140	5		50
2-Methylnaphthalene	78		74		40-140	5		50
1,2,4,5-Tetrachlorobenzene	76		74		40-117	3		50
Acetophenone	72		70		14-144	3		50
2,4,6-Trichlorophenol	82		77		30-130	6		50
p-Chloro-m-cresol	85		80		26-103	6		50
2-Chlorophenol	79		77		25-102	3		50
2,4-Dichlorophenol	80		80		30-130	0		50
2,4-Dimethylphenol	83		80		30-130	4		50
2-Nitrophenol	75		76		30-130	1		50
4-Nitrophenol	93		82		11-114	13		50
2,4-Dinitrophenol	59		55		4-130	7		50
4,6-Dinitro-o-cresol	76		72		10-130	5		50
Pentachlorophenol	71		65		17-109	9		50
Phenol	84		81		26-90	4		50
2-Methylphenol	79		80		30-130.	1		50
3-Methylphenol/4-Methylphenol	78		76		30-130	3		50
2,4,5-Trichlorophenol	83		78		30-130	6		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	78		78		40-140	0		50
Carbazole	94		82		54-128	14		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): 21,23,26,28,30 Batch: WG1677435-2 WG1677435-3								
1,4-Dioxane	56		57		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	85		84		25-120
Phenol-d6	87		83		10-120
Nitrobenzene-d5	79		78		23-120
2-Fluorobiphenyl	80		77		30-120
2,4,6-Tribromophenol	85		81		10-136
4-Terphenyl-d14	101		84		18-120

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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): 16,18,32,54 Batch: WG1677495-2 WG1677495-3								
Acenaphthene	84		67		31-137	23		50
1,2,4-Trichlorobenzene	82		68		38-107	19		50
Hexachlorobenzene	91		73		40-140	22		50
Bis(2-chloroethyl)ether	82		68		40-140	19		50
2-Chloronaphthalene	88		73		40-140	19		50
1,2-Dichlorobenzene	78		64		40-140	20		50
1,3-Dichlorobenzene	75		62		40-140	19		50
1,4-Dichlorobenzene	75		62		28-104	19		50
3,3'-Dichlorobenzidine	81		66		40-140	20		50
2,4-Dinitrotoluene	97		78		40-132	22		50
2,6-Dinitrotoluene	94		77		40-140	20		50
Fluoranthene	92		74		40-140	22		50
4-Chlorophenyl phenyl ether	90		73		40-140	21		50
4-Bromophenyl phenyl ether	91		75		40-140	19		50
Bis(2-chloroisopropyl)ether	97		79		40-140	20		50
Bis(2-chloroethoxy)methane	86		72		40-117	18		50
Hexachlorobutadiene	86		72		40-140	18		50
Hexachlorocyclopentadiene	69		56		40-140	21		50
Hexachloroethane	78		65		40-140	18		50
Isophorone	77		63		40-140	20		50
Naphthalene	84		69		40-140	20		50
Nitrobenzene	82		68		40-140	19		50
NDPA/DPA	90		74		36-157	20		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): 16,18,32,54 Batch: WG1677495-2 WG1677495-3								
n-Nitrosodi-n-propylamine	87		70		32-121	22		50
Bis(2-ethylhexyl)phthalate	95		78		40-140	20		50
Butyl benzyl phthalate	98		76		40-140	25		50
Di-n-butylphthalate	102		78		40-140	27		50
Di-n-octylphthalate	101		81		40-140	22		50
Diethyl phthalate	92		74		40-140	22		50
Dimethyl phthalate	87		73		40-140	18		50
Benzo(a)anthracene	88		74		40-140	17		50
Benzo(a)pyrene	92		74		40-140	22		50
Benzo(b)fluoranthene	88		71		40-140	21		50
Benzo(k)fluoranthene	99		80		40-140	21		50
Chrysene	92		76		40-140	19		50
Acenaphthylene	85		71		40-140	18		50
Anthracene	94		74		40-140	24		50
Benzo(ghi)perylene	98		78		40-140	23		50
Fluorene	89		74		40-140	18		50
Phenanthrene	93		73		40-140	24		50
Dibenzo(a,h)anthracene	98		79		40-140	21		50
Indeno(1,2,3-cd)pyrene	103		82		40-140	23		50
Pyrene	94		74		35-142	24		50
Biphenyl	89		73		37-127	20		50
4-Chloroaniline	76		60		40-140	24		50
2-Nitroaniline	93		79		47-134	16		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): 16,18,32,54 Batch: WG1677495-2 WG1677495-3								
3-Nitroaniline	72		59		26-129	20		50
4-Nitroaniline	90		75		41-125	18		50
Dibenzofuran	89		74		40-140	18		50
2-Methylnaphthalene	88		74		40-140	17		50
1,2,4,5-Tetrachlorobenzene	90		74		40-117	20		50
Acetophenone	80		68		14-144	16		50
2,4,6-Trichlorophenol	94		78		30-130	19		50
p-Chloro-m-cresol	90		76		26-103	17		50
2-Chlorophenol	84		70		25-102	18		50
2,4-Dichlorophenol	88		73		30-130	19		50
2,4-Dimethylphenol	83		68		30-130	20		50
2-Nitrophenol	90		76		30-130	17		50
4-Nitrophenol	97		79		11-114	20		50
2,4-Dinitrophenol	73		58		4-130	23		50
4,6-Dinitro-o-cresol	101		79		10-130	24		50
Pentachlorophenol	78		63		17-109	21		50
Phenol	82		69		26-90	17		50
2-Methylphenol	83		68		30-130.	20		50
3-Methylphenol/4-Methylphenol	82		68		30-130	19		50
2,4,5-Trichlorophenol	98		83		30-130	17		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	90		74		40-140	20		50
Carbazole	94		74		54-128	24		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): 16,18,32,54 Batch: WG1677495-2 WG1677495-3								
1,4-Dioxane	66		56		40-140	16		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	89		73		25-120
Phenol-d6	93		76		10-120
Nitrobenzene-d5	84		70		23-120
2-Fluorobiphenyl	92		75		30-120
2,4,6-Tribromophenol	103		85		10-136
4-Terphenyl-d14	98		78		18-120

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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): 13 Batch: WG1677869-2 WG1677869-3								
Acenaphthene	66		77		40-140	15		40
2-Chloronaphthalene	58		69		40-140	17		40
Fluoranthene	67		75		40-140	11		40
Hexachlorobutadiene	56		64		40-140	13		40
Naphthalene	63		73		40-140	15		40
Benzo(a)anthracene	73		80		40-140	9		40
Benzo(a)pyrene	62		69		40-140	11		40
Benzo(b)fluoranthene	69		77		40-140	11		40
Benzo(k)fluoranthene	71		80		40-140	12		40
Chrysene	71		81		40-140	13		40
Acenaphthylene	55		63		40-140	14		40
Anthracene	67		75		40-140	11		40
Benzo(ghi)perylene	72		82		40-140	13		40
Fluorene	68		78		40-140	14		40
Phenanthrene	68		76		40-140	11		40
Dibenzo(a,h)anthracene	74		85		40-140	14		40
Indeno(1,2,3-cd)pyrene	75		86		40-140	14		40
Pyrene	66		76		40-140	14		40
2-Methylnaphthalene	62		74		40-140	18		40
Pentachlorophenol	74		92		40-140	22		40
Hexachlorobenzene	72		80		40-140	11		40
Hexachloroethane	54		67		40-140	21		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): 13 Batch: WG1677869-2 WG1677869-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		67		21-120
Phenol-d6	48		56		10-120
Nitrobenzene-d5	69		82		23-120
2-Fluorobiphenyl	60		70		15-120
2,4,6-Tribromophenol	82		95		10-120
4-Terphenyl-d14	66		74		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1677895-2 WG1677895-3								
Acenaphthene	76		69		37-111	10		30
1,2,4-Trichlorobenzene	74		70		39-98	6		30
Hexachlorobenzene	93		83		40-140	11		30
Bis(2-chloroethyl)ether	65		60		40-140	8		30
2-Chloronaphthalene	74		71		40-140	4		30
1,2-Dichlorobenzene	71		65		40-140	9		30
1,3-Dichlorobenzene	69		64		40-140	8		30
1,4-Dichlorobenzene	71		63		36-97	12		30
3,3'-Dichlorobenzidine	72		55		40-140	27		30
2,4-Dinitrotoluene	77		69		48-143	11		30
2,6-Dinitrotoluene	79		71		40-140	11		30
Fluoranthene	79		70		40-140	12		30
4-Chlorophenyl phenyl ether	80		71		40-140	12		30
4-Bromophenyl phenyl ether	88		80		40-140	10		30
Bis(2-chloroisopropyl)ether	60		57		40-140	5		30
Bis(2-chloroethoxy)methane	68		64		40-140	6		30
Hexachlorobutadiene	84		77		40-140	9		30
Hexachlorocyclopentadiene	81		75		40-140	8		30
Hexachloroethane	76		73		40-140	4		30
Isophorone	69		63		40-140	9		30
Naphthalene	71		68		40-140	4		30
Nitrobenzene	74		66		40-140	11		30
NDPA/DPA	82		73		40-140	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1677895-2 WG1677895-3								
n-Nitrosodi-n-propylamine	72		67		29-132	7		30
Bis(2-ethylhexyl)phthalate	95		87		40-140	9		30
Butyl benzyl phthalate	88		78		40-140	12		30
Di-n-butylphthalate	86		75		40-140	14		30
Di-n-octylphthalate	97		88		40-140	10		30
Diethyl phthalate	89		77		40-140	14		30
Dimethyl phthalate	80		70		40-140	13		30
Benzo(a)anthracene	87		77		40-140	12		30
Benzo(a)pyrene	89		83		40-140	7		30
Benzo(b)fluoranthene	88		84		40-140	5		30
Benzo(k)fluoranthene	83		75		40-140	10		30
Chrysene	77		73		40-140	5		30
Acenaphthylene	76		69		45-123	10		30
Anthracene	79		70		40-140	12		30
Benzo(ghi)perylene	78		72		40-140	8		30
Fluorene	78		70		40-140	11		30
Phenanthrene	74		68		40-140	8		30
Dibenzo(a,h)anthracene	77		70		40-140	10		30
Indeno(1,2,3-cd)pyrene	85		80		40-140	6		30
Pyrene	77		69		26-127	11		30
Biphenyl	76		70		40-140	8		30
4-Chloroaniline	72		72		40-140	0		30
2-Nitroaniline	76		68		52-143	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1677895-2 WG1677895-3								
3-Nitroaniline	72		50		25-145	**36**	Q	30
4-Nitroaniline	76		64		51-143	17		30
Dibenzofuran	79		71		40-140	11		30
2-Methylnaphthalene	108		99		40-140	9		30
1,2,4,5-Tetrachlorobenzene	85		81		2-134	5		30
Acetophenone	73		66		39-129	10		30
2,4,6-Trichlorophenol	89		77		30-130	14		30
p-Chloro-m-cresol	86		79		23-97	8		30
2-Chlorophenol	74		71		27-123	4		30
2,4-Dichlorophenol	83		75		30-130	10		30
2,4-Dimethylphenol	76		71		30-130	7		30
2-Nitrophenol	73		67		30-130	9		30
4-Nitrophenol	72		67		10-80	7		30
2,4-Dinitrophenol	88		80		20-130	10		30
4,6-Dinitro-o-cresol	79		71		20-164	11		30
Pentachlorophenol	94		83		9-103	12		30
Phenol	53		49		12-110	8		30
2-Methylphenol	70		64		30-130	9		30
3-Methylphenol/4-Methylphenol	72		69		30-130	4		30
2,4,5-Trichlorophenol	87		80		30-130	8		30
Benzoic Acid	89		85		10-164	5		30
Benzyl Alcohol	73		65		26-116	12		30
Carbazole	81		74		55-144	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 13 Batch: WG1677895-2 WG1677895-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		61		21-120
Phenol-d6	59		53		10-120
Nitrobenzene-d5	73		67		23-120
2-Fluorobiphenyl	78		71		15-120
2,4,6-Tribromophenol	114		97		10-120
4-Terphenyl-d14	83		73		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
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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): 34-35 Batch: WG1678379-2 WG1678379-3								
Acenaphthene	44		52		37-111	17		30
1,2,4-Trichlorobenzene	45		52		39-98	14		30
Hexachlorobenzene	56		60		40-140	7		30
Bis(2-chloroethyl)ether	**39**	Q	44		40-140	12		30
2-Chloronaphthalene	46		52		40-140	12		30
1,2-Dichlorobenzene	43		48		40-140	11		30
1,3-Dichlorobenzene	43		47		40-140	9		30
1,4-Dichlorobenzene	43		48		36-97	11		30
3,3'-Dichlorobenzidine	43		50		40-140	15		30
2,4-Dinitrotoluene	**45**	Q	48		48-143	6		30
2,6-Dinitrotoluene	45		50		40-140	11		30
Fluoranthene	46		50		40-140	8		30
4-Chlorophenyl phenyl ether	46		52		40-140	12		30
4-Bromophenyl phenyl ether	52		58		40-140	11		30
Bis(2-chloroisopropyl)ether	**37**	Q	42		40-140	13		30
Bis(2-chloroethoxy)methane	42		47		40-140	11		30
Hexachlorobutadiene	50		57		40-140	13		30
Hexachlorocyclopentadiene	47		55		40-140	16		30
Hexachloroethane	46		55		40-140	18		30
Isophorone	41		48		40-140	16		30
Naphthalene	43		49		40-140	13		30
Nitrobenzene	45		51		40-140	13		30
NDPA/DPA	50		54		40-140	8		30

Lab Control Sample Analysis

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Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678379-2 WG1678379-3								
n-Nitrosodi-n-propylamine	45		50		29-132	11		30
Bis(2-ethylhexyl)phthalate	53		63		40-140	17		30
Butyl benzyl phthalate	54		61		40-140	12		30
Di-n-butylphthalate	48		53		40-140	10		30
Di-n-octylphthalate	55		64		40-140	15		30
Diethyl phthalate	51		56		40-140	9		30
Dimethyl phthalate	49		50		40-140	2		30
Benzo(a)anthracene	49		56		40-140	13		30
Benzo(a)pyrene	49		57		40-140	15		30
Benzo(b)fluoranthene	48		55		40-140	14		30
Benzo(k)fluoranthene	50		55		40-140	10		30
Chrysene	46		51		40-140	10		30
Acenaphthylene	47		53		45-123	12		30
Anthracene	44		51		40-140	15		30
Benzo(ghi)perylene	43		49		40-140	13		30
Fluorene	46		52		40-140	12		30
Phenanthrene	44		48		40-140	9		30
Dibenzo(a,h)anthracene	42		47		40-140	11		30
Indeno(1,2,3-cd)pyrene	47		53		40-140	12		30
Pyrene	44		50		26-127	13		30
Biphenyl	47		53		40-140	12		30
4-Chloroaniline	**39**	Q	43		40-140	10		30
2-Nitroaniline	**46**	Q	52		52-143	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678379-2 WG1678379-3								
3-Nitroaniline	41		47		25-145	14		30
4-Nitroaniline	**44**	Q	51		51-143	15		30
Dibenzofuran	46		54		40-140	16		30
2-Methylnaphthalene	65		73		40-140	12		30
1,2,4,5-Tetrachlorobenzene	53		59		2-134	11		30
Acetophenone	46		52		39-129	12		30
2,4,6-Trichlorophenol	54		58		30-130	7		30
p-Chloro-m-cresol	52		55		23-97	6		30
2-Chlorophenol	44		52		27-123	17		30
2,4-Dichlorophenol	49		58		30-130	17		30
2,4-Dimethylphenol	47		51		30-130	8		30
2-Nitrophenol	43		49		30-130	13		30
4-Nitrophenol	45		49		10-80	9		30
2,4-Dinitrophenol	55		56		20-130	2		30
4,6-Dinitro-o-cresol	42		49		20-164	15		30
Pentachlorophenol	56		61		9-103	9		30
Phenol	36		40		12-110	11		30
2-Methylphenol	44		52		30-130	17		30
3-Methylphenol/4-Methylphenol	44		49		30-130	11		30
2,4,5-Trichlorophenol	53		60		30-130	12		30
Benzoic Acid	64		70		10-164	9		30
Benzyl Alcohol	44		49		26-116	11		30
Carbazole	**47**	Q	**53**	Q	55-144	12		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 34-35 Batch: WG1678379-2 WG1678379-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	44		48		21-120
Phenol-d6	39		44		10-120
Nitrobenzene-d5	44		50		23-120
2-Fluorobiphenyl	46		52		15-120
2,4,6-Tribromophenol	62		73		10-120
4-Terphenyl-d14	45		51		41-149

Lab Control Sample Analysis

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Project Number: 41.0162951.10

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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): 34-35 Batch: WG1678382-2 WG1678382-3								
Acenaphthene	85		55		40-140	**43**	Q	40
2-Chloronaphthalene	76		53		40-140	36		40
Fluoranthene	82		52		40-140	**45**	Q	40
Hexachlorobutadiene	67		47		40-140	35		40
Naphthalene	78		54		40-140	36		40
Benzo(a)anthracene	91		53		40-140	**53**	Q	40
Benzo(a)pyrene	78		46		40-140	**52**	Q	40
Benzo(b)fluoranthene	85		54		40-140	**45**	Q	40
Benzo(k)fluoranthene	84		51		40-140	**49**	Q	40
Chrysene	89		54		40-140	**49**	Q	40
Acenaphthylene	75		51		40-140	38		40
Anthracene	84		52		40-140	**47**	Q	40
Benzo(ghi)perylene	88		50		40-140	**55**	Q	40
Fluorene	87		56		40-140	**43**	Q	40
Phenanthrene	84		52		40-140	**47**	Q	40
Dibenzo(a,h)anthracene	93		53		40-140	**55**	Q	40
Indeno(1,2,3-cd)pyrene	93		53		40-140	**55**	Q	40
Pyrene	81		53		40-140	**42**	Q	40
2-Methylnaphthalene	81		55		40-140	38		40
Pentachlorophenol	87		55		40-140	**45**	Q	40
Hexachlorobenzene	86		55		40-140	**44**	Q	40
Hexachloroethane	64		46		40-140	33		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 34-35 Batch: WG1678382-2 WG1678382-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		55		21-120
Phenol-d6	68		49		10-120
Nitrobenzene-d5	87		63		23-120
2-Fluorobiphenyl	75		53		15-120
2,4,6-Tribromophenol	103		69		10-120
4-Terphenyl-d14	78		52		41-149

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): 50,52 Batch: WG1678664-2 WG1678664-3								
Acenaphthene	80		78		31-137	3		50
1,2,4-Trichlorobenzene	82		82		38-107	0		50
Hexachlorobenzene	91		91		40-140	0		50
Bis(2-chloroethyl)ether	79		78		40-140	1		50
2-Chloronaphthalene	88		87		40-140	1		50
1,2-Dichlorobenzene	74		74		40-140	0		50
1,3-Dichlorobenzene	72		72		40-140	0		50
1,4-Dichlorobenzene	72		72		28-104	0		50
3,3'-Dichlorobenzidine	78		76		40-140	3		50
2,4-Dinitrotoluene	95		92		40-132	3		50
2,6-Dinitrotoluene	96		95		40-140	1		50
Fluoranthene	90		88		40-140	2		50
4-Chlorophenyl phenyl ether	91		88		40-140	3		50
4-Bromophenyl phenyl ether	94		90		40-140	4		50
Bis(2-chloroisopropyl)ether	93		92		40-140	1		50
Bis(2-chloroethoxy)methane	87		85		40-117	2		50
Hexachlorobutadiene	88		87		40-140	1		50
Hexachlorocyclopentadiene	86		85		40-140	1		50
Hexachloroethane	76		75		40-140	1		50
Isophorone	78		77		40-140	1		50
Naphthalene	81		81		40-140	0		50
Nitrobenzene	80		79		40-140	1		50
NDPA/DPA	88		87		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
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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): 50,52 Batch: WG1678664-2 WG1678664-3								
n-Nitrosodi-n-propylamine	85		86		32-121	1		50
Bis(2-ethylhexyl)phthalate	102		100		40-140	2		50
Butyl benzyl phthalate	100		96		40-140	4		50
Di-n-butylphthalate	101		98		40-140	3		50
Di-n-octylphthalate	106		102		40-140	4		50
Diethyl phthalate	93		90		40-140	3		50
Dimethyl phthalate	91		89		40-140	2		50
Benzo(a)anthracene	88		86		40-140	2		50
Benzo(a)pyrene	84		82		40-140	2		50
Benzo(b)fluoranthene	88		96		40-140	9		50
Benzo(k)fluoranthene	82		72		40-140	13		50
Chrysene	86		85		40-140	1		50
Acenaphthylene	87		84		40-140	4		50
Anthracene	88		85		40-140	3		50
Benzo(ghi)perylene	80		78		40-140	3		50
Fluorene	88		85		40-140	3		50
Phenanthrene	87		84		40-140	4		50
Dibenzo(a,h)anthracene	82		80		40-140	2		50
Indeno(1,2,3-cd)pyrene	88		85		40-140	3		50
Pyrene	90		88		35-142	2		50
Biphenyl	91		88		37-127	3		50
4-Chloroaniline	56		50		40-140	11		50
2-Nitroaniline	95		92		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
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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): 50,52 Batch: WG1678664-2 WG1678664-3								
3-Nitroaniline	72		73		26-129	1		50
4-Nitroaniline	90		86		41-125	5		50
Dibenzofuran	87		84		40-140	4		50
2-Methylnaphthalene	89		87		40-140	2		50
1,2,4,5-Tetrachlorobenzene	93		91		40-117	2		50
Acetophenone	80		79		14-144	1		50
2,4,6-Trichlorophenol	98		94		30-130	4		50
p-Chloro-m-cresol	91		90		26-103	1		50
2-Chlorophenol	80		80		25-102	0		50
2,4-Dichlorophenol	90		89		30-130	1		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	91		90		30-130	1		50
4-Nitrophenol	95		90		11-114	5		50
2,4-Dinitrophenol	81		83		4-130	2		50
4,6-Dinitro-o-cresol	105		101		10-130	4		50
Pentachlorophenol	91		88		17-109	3		50
Phenol	80		79		26-90	1		50
2-Methylphenol	79		79		30-130.	0		50
3-Methylphenol/4-Methylphenol	81		80		30-130	1		50
2,4,5-Trichlorophenol	102		100		30-130	2		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	89		87		40-140	2		50
Carbazole	89		86		54-128	3		50

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Batch Quality Control

Project Name: 101 E 151ST STREET RI
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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): 50,52 Batch: WG1678664-2 WG1678664-3								
1,4-Dioxane	57		57		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		86		25-120
Phenol-d6	86		85		10-120
Nitrobenzene-d5	80		76		23-120
2-Fluorobiphenyl	89		87		30-120
2,4,6-Tribromophenol	106		102		10-136
4-Terphenyl-d14	94		92		18-120

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 56-58 Batch: WG1678782-2								
Perfluorobutanoic Acid (PFBA)	112		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	113		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	110		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	114		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	119		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	113		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	111		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	131		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	112		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	129		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	112		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	112		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	129		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	75		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	112		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	90		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	126		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	140		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	129		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 56-58 Batch: WG1678782-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	114				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	116				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	114				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	110				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81				22-136

Lab Control Sample Analysis

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Lab Number: L2243951

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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): 55-57		Batch: WG1678995-2 WG1678995-3					
1,4-Dioxane	116		116		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	40		39		15-110

Lab Control Sample Analysis

Batch Quality Control

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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): 59 Batch: WG1679633-2 WG1679633-3								
1,4-Dioxane	109		114		40-140	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	46		49		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 Batch: WG1679728-2								
Perfluorobutanoic Acid (PFBA)	101		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	111		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	124		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	113		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	124		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	114		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	126		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	104		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	124		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	127		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	99		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	125		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	136		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	153		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	131		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 Batch: WG1679728-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	144				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	58				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	49				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45				22-136

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Lab Number: L2243951

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 Batch: WG1679728-2								
Perfluorooctanesulfonamide (FOSA)	100		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	102				10-112

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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): 55 Batch: WG1679865-2 WG1679865-3								
Acenaphthene	87		82		37-111	6		30
1,2,4-Trichlorobenzene	79		72		39-98	9		30
Hexachlorobenzene	106		101		40-140	5		30
Bis(2-chloroethyl)ether	75		68		40-140	10		30
2-Chloronaphthalene	83		76		40-140	9		30
1,2-Dichlorobenzene	74		68		40-140	8		30
1,3-Dichlorobenzene	76		68		40-140	11		30
1,4-Dichlorobenzene	75		67		36-97	11		30
3,3'-Dichlorobenzidine	80		50		40-140	**46**	Q	30
2,4-Dinitrotoluene	109		108		48-143	1		30
2,6-Dinitrotoluene	100		97		40-140	3		30
Fluoranthene	87		88		40-140	1		30
4-Chlorophenyl phenyl ether	92		87		40-140	6		30
4-Bromophenyl phenyl ether	99		100		40-140	1		30
Bis(2-chloroisopropyl)ether	**38**	Q	**35**	Q	40-140	8		30
Bis(2-chloroethoxy)methane	77		71		40-140	8		30
Hexachlorobutadiene	77		72		40-140	7		30
Hexachlorocyclopentadiene	95		92		40-140	3		30
Hexachloroethane	71		64		40-140	10		30
Isophorone	72		67		40-140	7		30
Naphthalene	81		74		40-140	9		30
Nitrobenzene	81		71		40-140	13		30
NDPA/DPA	87		73		40-140	18		30

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Lab Number: L2243951

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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): 55 Batch: WG1679865-2 WG1679865-3								
n-Nitrosodi-n-propylamine	71		65		29-132	9		30
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		30
Butyl benzyl phthalate	97		99		40-140	2		30
Di-n-butylphthalate	83		83		40-140	0		30
Di-n-octylphthalate	86		86		40-140	0		30
Diethyl phthalate	86		87		40-140	1		30
Dimethyl phthalate	89		85		40-140	5		30
Benzo(a)anthracene	92		89		40-140	3		30
Benzo(a)pyrene	103		99		40-140	4		30
Benzo(b)fluoranthene	104		109		40-140	5		30
Benzo(k)fluoranthene	90		88		40-140	2		30
Chrysene	88		84		40-140	5		30
Acenaphthylene	89		84		45-123	6		30
Anthracene	89		82		40-140	8		30
Benzo(ghi)perylene	96		96		40-140	0		30
Fluorene	90		86		40-140	5		30
Phenanthrene	84		79		40-140	6		30
Dibenzo(a,h)anthracene	99		95		40-140	4		30
Indeno(1,2,3-cd)pyrene	128		123		40-140	4		30
Pyrene	86		84		26-127	2		30
Biphenyl	89		83		40-140	7		30
4-Chloroaniline	50		44		40-140	13		30
2-Nitroaniline	104		100		52-143	4		30

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2243951

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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): 55 Batch: WG1679865-2 WG1679865-3								
3-Nitroaniline	88		86		25-145	2		30
4-Nitroaniline	89		90		51-143	1		30
Dibenzofuran	88		84		40-140	5		30
2-Methylnaphthalene	88		79		40-140	11		30
1,2,4,5-Tetrachlorobenzene	88		83		2-134	6		30
Acetophenone	83		76		39-129	9		30
2,4,6-Trichlorophenol	96		89		30-130	8		30
p-Chloro-m-cresol	92		81		23-97	13		30
2-Chlorophenol	85		76		27-123	11		30
2,4-Dichlorophenol	86		79		30-130	8		30
2,4-Dimethylphenol	81		65		30-130	22		30
2-Nitrophenol	118		110		30-130	7		30
4-Nitrophenol	59		58		10-80	2		30
2,4-Dinitrophenol	105		108		20-130	3		30
4,6-Dinitro-o-cresol	126		126		20-164	0		30
Pentachlorophenol	96		96		9-103	0		30
Phenol	62		52		12-110	18		30
2-Methylphenol	81		68		30-130	17		30
3-Methylphenol/4-Methylphenol	85		74		30-130	14		30
2,4,5-Trichlorophenol	96		91		30-130	5		30
Benzoic Acid	60		56		10-164	7		30
Benzyl Alcohol	71		66		26-116	7		30
Carbazole	89		86		55-144	3		30

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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): 55 Batch: WG1679865-2 WG1679865-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		66		21-120
Phenol-d6	63		56		10-120
Nitrobenzene-d5	87		80		23-120
2-Fluorobiphenyl	86		80		15-120
2,4,6-Tribromophenol	**139**	Q	**133**	Q	10-120
4-Terphenyl-d14	97		97		41-149

Lab Control Sample Analysis

Batch Quality Control

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Lab Number: L2243951

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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): 55 Batch: WG1679871-2 WG1679871-3								
Acenaphthene	89		77		40-140	14		40
2-Chloronaphthalene	87		74		40-140	16		40
Fluoranthene	95		83		40-140	13		40
Hexachlorobutadiene	100		79		40-140	23		40
Naphthalene	81		70		40-140	15		40
Benzo(a)anthracene	93		82		40-140	13		40
Benzo(a)pyrene	84		76		40-140	10		40
Benzo(b)fluoranthene	95		90		40-140	5		40
Benzo(k)fluoranthene	93		83		40-140	11		40
Chrysene	105		92		40-140	13		40
Acenaphthylene	75		67		40-140	11		40
Anthracene	93		76		40-140	20		40
Benzo(ghi)perylene	124		103		40-140	19		40
Fluorene	94		80		40-140	16		40
Phenanthrene	90		77		40-140	16		40
Dibenzo(a,h)anthracene	124		105		40-140	17		40
Indeno(1,2,3-cd)pyrene	125		105		40-140	17		40
Pyrene	94		84		40-140	11		40
2-Methylnaphthalene	82		70		40-140	16		40
Pentachlorophenol	138		109		40-140	23		40
Hexachlorobenzene	120		93		40-140	25		40
Hexachloroethane	80		66		40-140	19		40

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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): 55 Batch: WG1679871-2 WG1679871-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		62		21-120
Phenol-d6	58		55		10-120
Nitrobenzene-d5	82		73		23-120
2-Fluorobiphenyl	84		74		15-120
2,4,6-Tribromophenol	**133**	Q	**121**	Q	10-120
4-Terphenyl-d14	83		77		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 55-57 Batch: WG1680408-2 WG1680408-3								
Acenaphthene	74		89		40-140	18		40
2-Chloronaphthalene	64		77		40-140	18		40
Fluoranthene	73		89		40-140	20		40
Hexachlorobutadiene	55		71		40-140	25		40
Naphthalene	65		82		40-140	23		40
Benzo(a)anthracene	77		95		40-140	21		40
Benzo(a)pyrene	64		76		40-140	17		40
Benzo(b)fluoranthene	74		87		40-140	16		40
Benzo(k)fluoranthene	70		93		40-140	28		40
Chrysene	75		90		40-140	18		40
Acenaphthylene	60		75		40-140	22		40
Anthracene	70		85		40-140	19		40
Benzo(ghi)perylene	83		103		40-140	22		40
Fluorene	72		90		40-140	22		40
Phenanthrene	70		88		40-140	23		40
Dibenzo(a,h)anthracene	84		106		40-140	23		40
Indeno(1,2,3-cd)pyrene	85		108		40-140	24		40
Pyrene	74		91		40-140	21		40
2-Methylnaphthalene	66		85		40-140	25		40
Pentachlorophenol	69		94		40-140	31		40
Hexachlorobenzene	76		90		40-140	17		40
Hexachloroethane	58		66		40-140	13		40

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Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

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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): 55-57 Batch: WG1680408-2 WG1680408-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	64		78		21-120
Phenol-d6	54		67		10-120
Nitrobenzene-d5	74		93		23-120
2-Fluorobiphenyl	66		80		15-120
2,4,6-Tribromophenol	89		107		10-120
4-Terphenyl-d14	75		91		41-149

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Project Name: 101 E 151ST STREET RI
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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): 56-57 Batch: WG1680454-2 WG1680454-3								
Acenaphthene	64		67		37-111	5		30
1,2,4-Trichlorobenzene	63		63		39-98	0		30
Hexachlorobenzene	61		64		40-140	5		30
Bis(2-chloroethyl)ether	58		58		40-140	0		30
2-Chloronaphthalene	62		65		40-140	5		30
1,2-Dichlorobenzene	62		56		40-140	10		30
1,3-Dichlorobenzene	56		53		40-140	6		30
1,4-Dichlorobenzene	58		53		36-97	9		30
3,3'-Dichlorobenzidine	61		62		40-140	2		30
2,4-Dinitrotoluene	64		71		48-143	10		30
2,6-Dinitrotoluene	62		68		40-140	9		30
Fluoranthene	68		68		40-140	0		30
4-Chlorophenyl phenyl ether	67		70		40-140	4		30
4-Bromophenyl phenyl ether	64		64		40-140	0		30
Bis(2-chloroisopropyl)ether	65		54		40-140	18		30
Bis(2-chloroethoxy)methane	67		73		40-140	9		30
Hexachlorobutadiene	55		51		40-140	8		30
Hexachlorocyclopentadiene	54		47		40-140	14		30
Hexachloroethane	58		49		40-140	17		30
Isophorone	62		68		40-140	9		30
Naphthalene	61		64		40-140	5		30
Nitrobenzene	63		62		40-140	2		30
NDPA/DPA	68		75		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1680454-2 WG1680454-3								
n-Nitrosodi-n-propylamine	66		61		29-132	8		30
Bis(2-ethylhexyl)phthalate	79		80		40-140	1		30
Butyl benzyl phthalate	69		71		40-140	3		30
Di-n-butylphthalate	71		73		40-140	3		30
Di-n-octylphthalate	78		82		40-140	5		30
Diethyl phthalate	69		75		40-140	8		30
Dimethyl phthalate	65		68		40-140	5		30
Benzo(a)anthracene	75		76		40-140	1		30
Benzo(a)pyrene	76		78		40-140	3		30
Benzo(b)fluoranthene	72		78		40-140	8		30
Benzo(k)fluoranthene	76		81		40-140	6		30
Chrysene	74		74		40-140	0		30
Acenaphthylene	64		67		45-123	5		30
Anthracene	67		70		40-140	4		30
Benzo(ghi)perylene	70		69		40-140	1		30
Fluorene	66		71		40-140	7		30
Phenanthrene	66		67		40-140	2		30
Dibenzo(a,h)anthracene	73		72		40-140	1		30
Indeno(1,2,3-cd)pyrene	81		80		40-140	1		30
Pyrene	67		68		26-127	1		30
Biphenyl	66		69		40-140	4		30
4-Chloroaniline	56		56		40-140	0		30
2-Nitroaniline	62		66		52-143	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1680454-2 WG1680454-3								
3-Nitroaniline	62		64		25-145	3		30
4-Nitroaniline	63		67		51-143	6		30
Dibenzofuran	65		71		40-140	9		30
2-Methylnaphthalene	65		67		40-140	3		30
1,2,4,5-Tetrachlorobenzene	63		66		2-134	5		30
Acetophenone	66		66		39-129	0		30
2,4,6-Trichlorophenol	68		71		30-130	4		30
p-Chloro-m-cresol	67		74		23-97	10		30
2-Chlorophenol	58		62		27-123	7		30
2,4-Dichlorophenol	69		77		30-130	11		30
2,4-Dimethylphenol	64		72		30-130	12		30
2-Nitrophenol	62		70		30-130	12		30
4-Nitrophenol	51		62		10-80	19		30
2,4-Dinitrophenol	59		67		20-130	13		30
4,6-Dinitro-o-cresol	57		62		20-164	8		30
Pentachlorophenol	56		64		9-103	13		30
Phenol	44		47		12-110	7		30
2-Methylphenol	64		64		30-130	0		30
3-Methylphenol/4-Methylphenol	61		62		30-130	2		30
2,4,5-Trichlorophenol	68		72		30-130	6		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	61		54		26-116	12		30
Carbazole	70		72		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 56-57 Batch: WG1680454-2 WG1680454-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		54		21-120
Phenol-d6	40		45		10-120
Nitrobenzene-d5	64		63		23-120
2-Fluorobiphenyl	62		68		15-120
2,4,6-Tribromophenol	59		61		10-120
4-Terphenyl-d14	71		68		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1681400-2 WG1681400-3								
Acenaphthene	65		70		37-111	7		30
1,2,4-Trichlorobenzene	58		64		39-98	10		30
Hexachlorobenzene	78		85		40-140	9		30
Bis(2-chloroethyl)ether	56		63		40-140	12		30
2-Chloronaphthalene	62		72		40-140	15		30
1,2-Dichlorobenzene	57		63		40-140	10		30
1,3-Dichlorobenzene	56		63		40-140	12		30
1,4-Dichlorobenzene	56		62		36-97	10		30
3,3'-Dichlorobenzidine	59		63		40-140	7		30
2,4-Dinitrotoluene	86		92		48-143	7		30
2,6-Dinitrotoluene	75		86		40-140	14		30
Fluoranthene	65		72		40-140	10		30
4-Chlorophenyl phenyl ether	68		74		40-140	8		30
4-Bromophenyl phenyl ether	75		82		40-140	9		30
Bis(2-chloroisopropyl)ether	**27**	Q	**30**	Q	40-140	11		30
Bis(2-chloroethoxy)methane	55		65		40-140	17		30
Hexachlorobutadiene	57		66		40-140	15		30
Hexachlorocyclopentadiene	62		74		40-140	18		30
Hexachloroethane	52		61		40-140	16		30
Isophorone	54		61		40-140	12		30
Naphthalene	59		68		40-140	14		30
Nitrobenzene	59		67		40-140	13		30
NDPA/DPA	66		70		40-140	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1681400-2 WG1681400-3								
n-Nitrosodi-n-propylamine	51		60		29-132	16		30
Bis(2-ethylhexyl)phthalate	65		73		40-140	12		30
Butyl benzyl phthalate	76		80		40-140	5		30
Di-n-butylphthalate	64		69		40-140	8		30
Di-n-octylphthalate	67		71		40-140	6		30
Diethyl phthalate	66		73		40-140	10		30
Dimethyl phthalate	65		74		40-140	13		30
Benzo(a)anthracene	69		74		40-140	7		30
Benzo(a)pyrene	76		78		40-140	3		30
Benzo(b)fluoranthene	75		74		40-140	1		30
Benzo(k)fluoranthene	74		76		40-140	3		30
Chrysene	62		66		40-140	6		30
Acenaphthylene	66		75		45-123	13		30
Anthracene	65		72		40-140	10		30
Benzo(ghi)perylene	72		76		40-140	5		30
Fluorene	66		72		40-140	9		30
Phenanthrene	62		68		40-140	9		30
Dibenzo(a,h)anthracene	69		78		40-140	12		30
Indeno(1,2,3-cd)pyrene	92		101		40-140	9		30
Pyrene	64		68		26-127	6		30
Biphenyl	66		76		40-140	14		30
4-Chloroaniline	**38**	Q	44		40-140	15		30
2-Nitroaniline	80		91		52-143	13		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1681400-2 WG1681400-3								
3-Nitroaniline	68		74		25-145	8		30
4-Nitroaniline	71		76		51-143	7		30
Dibenzofuran	66		72		40-140	9		30
2-Methylnaphthalene	62		71		40-140	14		30
1,2,4,5-Tetrachlorobenzene	63		75		2-134	17		30
Acetophenone	60		69		39-129	14		30
2,4,6-Trichlorophenol	70		79		30-130	12		30
p-Chloro-m-cresol	66		74		23-97	11		30
2-Chlorophenol	64		71		27-123	10		30
2,4-Dichlorophenol	65		74		30-130	13		30
2,4-Dimethylphenol	52		56		30-130	7		30
2-Nitrophenol	86		99		30-130	14		30
4-Nitrophenol	44		47		10-80	7		30
2,4-Dinitrophenol	104		108		20-130	4		30
4,6-Dinitro-o-cresol	102		113		20-164	10		30
Pentachlorophenol	68		75		9-103	10		30
Phenol	44		49		12-110	11		30
2-Methylphenol	58		65		30-130	11		30
3-Methylphenol/4-Methylphenol	64		71		30-130	10		30
2,4,5-Trichlorophenol	71		82		30-130	14		30
Benzoic Acid	84		86		10-164	2		30
Benzyl Alcohol	53		60		26-116	12		30
Carbazole	68		72		55-144	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 59 Batch: WG1681400-2 WG1681400-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	58		65		21-120
Phenol-d6	47		52		10-120
Nitrobenzene-d5	67		74		23-120
2-Fluorobiphenyl	66		77		15-120
2,4,6-Tribromophenol	103		108		10-120
4-Terphenyl-d14	77		82		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 59 Batch: WG1681674-2 WG1681674-3								
Acenaphthene	57		70		40-140	20		40
2-Chloronaphthalene	54		66		40-140	20		40
Fluoranthene	55		66		40-140	18		40
Hexachlorobutadiene	56		70		40-140	22		40
Naphthalene	55		74		40-140	29		40
Benzo(a)anthracene	53		66		40-140	22		40
Benzo(a)pyrene	46		57		40-140	21		40
Benzo(b)fluoranthene	55		74		40-140	29		40
Benzo(k)fluoranthene	61		69		40-140	12		40
Chrysene	60		73		40-140	20		40
Acenaphthylene	50		60		40-140	18		40
Anthracene	53		66		40-140	22		40
Benzo(ghi)perylene	62		71		40-140	14		40
Fluorene	58		71		40-140	20		40
Phenanthrene	55		67		40-140	20		40
Dibenzo(a,h)anthracene	65		74		40-140	13		40
Indeno(1,2,3-cd)pyrene	63		70		40-140	11		40
Pyrene	54		65		40-140	18		40
2-Methylnaphthalene	54		68		40-140	23		40
Pentachlorophenol	59		71		40-140	18		40
Hexachlorobenzene	56		70		40-140	22		40
Hexachloroethane	55		68		40-140	21		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 59 Batch: WG1681674-2 WG1681674-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		65		21-120
Phenol-d6	47		57		10-120
Nitrobenzene-d5	62		75		23-120
2-Fluorobiphenyl	58		70		15-120
2,4,6-Tribromophenol	66		79		10-120
4-Terphenyl-d14	58		71		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675910-4 QC Sample: L2243951-13 Client ID: TMW-09												
1,4-Dioxane	ND	4810	5510	115		-	-		40-140	-		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	47				15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1675928-3 QC Sample: L2243878-04 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	4.9	4.68	96		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.9	4.69	96		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.35	4.42	102		-	-		72-128	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.6	4.69	102		-	-		62-145	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.9	4.76	97		-	-		70-132	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.62	4.89	106		-	-		73-123	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.9	4.87	99		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.48	5.15	115		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	ND	4.9	4.85	99		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.67	5.01	107		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.68	4.62	99		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.9	4.65	95		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.55	4.72	104		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.9	4.77	97		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.7	5.06F	108		-	-		65-137	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.72	4.28	91		-	-		69-125	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.9	5.52	113		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.9	5.00	102		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.73	3.60	76		-	-		59-134	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.9	4.45	91		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.9	5.25	107		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.9	5.30	108		-	-		66-139	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1675928-3 QC Sample: L2243878-04 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	4.9	4.60	94		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	45				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	53				14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**18**	Q			34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**50**	Q			61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**53**	Q			75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**52**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**53**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**57**	Q			78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**36**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**8**	Q			24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**46**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**48**	Q			58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**57**	Q			79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**55**	Q			75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**55**	Q			72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**56**	Q			74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 QC Batch ID: WG1676280-3 QC Sample: L2243951-13 Client ID: TMW-09												
Perfluorobutanoic Acid (PFBA)	13.0	39.6	49.6	92		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	34.5	39.6	71.3	93		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	10.2	35.2	42.4	91		-	-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	25.9	39.6	60.8	88		-	-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	10.2	39.6	46.5	92		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	7.72	36.2	47.8	111		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	14.9	39.6	50.3	89		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.84JF	37.7	38.0	96		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	37.8	31.3	83		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	3.51	39.6	35.8	81		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	30.9	36.8	65.6	94		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	2.74	39.6	38.1	89		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	38.1	50.8F	133		-	-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	39.6	43.1	109		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	0.481JF	39.6	45.4	113		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	38.3	34.4	90		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	39.6	40.0F	101		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	39.6	36.7	93		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	39.6	38.2	96		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	39.6	34.2	86		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	39.6	29.4	74		-	-		59-182	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 151ST STREET RI	***Lab Number:***	L2243951
Project Number:	41.0162951.10	***Report Date:***	09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 QC Batch ID: WG1676280-3 QC Sample: L2243951-13 Client ID: TMW-09

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**164**	Q			14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	57				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	71				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	74				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 16,18-19,23,26,30,32-33 QC Batch ID: WG1676431-3 WG1676431-4 QC Sample: L2243951-26 Client ID: SB-16 (0-2')												
Perfluorobutanoic Acid (PFBA)	ND	4.96	4.66	94		4.66	92		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	0.047J	4.96	4.77	95		4.77	93		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.4	4.34	99		4.43	98		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	ND	4.96	4.77	96		4.78	94		70-132	0		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.96	4.88	99		5.01	99		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.53	5.12	113		5.20	112		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	4.96	4.74	96		4.83	95		69-133	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.72	4.90	104		5.19	107		64-140	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.73	4.22	89		4.35	90		70-132	3		30
Perfluorononanoic Acid (PFNA)	ND	4.96	4.18	84		4.13	81		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.6	4.43	96		4.81	102		68-136	8		30
Perfluorodecanoic Acid (PFDA)	ND	4.96	4.48	90		4.94	97		69-133	10		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.76	5.40F	114		4.90F	101		65-137	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.96	5.54	112		6.02F	119		63-144	8		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.96	5.66	114		5.85	115		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.79	4.37	91		4.55	93		59-134	4		30
Perfluorooctanesulfonamide (FOSA)	ND	4.96	4.91	99		4.81F	95		67-137	2		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.96	4.64	94		4.39	87		61-139	6		30
Perfluorododecanoic Acid (PFDoA)	ND	4.96	4.99	101		5.17	102		69-135	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.96	5.20	105		5.28	104		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.96	4.21	85		4.31	85		69-133	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 16,18-19,23,26,30,32-33 QC Batch ID: WG1676431-3 WG1676431-4 QC Sample: L2243951-26 Client ID: SB-16 (0-2')

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		72		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		66		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	35		37		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	31		**28**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	77		73		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		**74**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		**61**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	75		**62**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		92		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71		67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	72		69		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	68		**48**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	71		**53**	Q	58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	40		**7**	Q	10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		98		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		**69**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		81		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		90		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 40,44 QC Batch ID: WG1676686-3 QC Sample: L2243936-35 Client ID: MS Sample												
Perfluorooctanoic Acid (PFOA)	0.413	5.16	5.22	93		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**56**	Q			75-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1677428-3 QC Sample: L2244054-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	70.6	38.2	112	108		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	359	38.2	403	115		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	0.959J	34	35.0	100		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	35.9	40.4	113		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	152	38.2	200	125		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	36	35.1	97		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	69.0	38.2	110	107		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	0.398J	35	41.5	118		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	36.5	38.2	79.6	113		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	217	36.4	260	118		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.5	38.0	104		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	5.17	38.2	48.1	112		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	3.11	35.5	45.5	119		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	0.579J	38.2	42.7	110		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	16.1	36.7	43.3	74		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.8	37.6	102		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.22JF	38.2	46.9	119		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.2	47.9	125		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37	33.2	90		-	-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	ND	38.2	46.6	122		-	-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.37J	38.2	34.9	88		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.2	45.8	120		-	-		67-153	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1677428-3 QC Sample: L2244054-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	38.2	39.6	104		-	-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	38.2	39.5	103		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**209**	Q			10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**278**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**348**	Q			14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	85				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	101				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93				62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24				10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	100				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 54 QC Batch ID: WG1677434-3 QC Sample: L2243936-37 Client ID: MS Sample												
Perfluorooctanoic Acid (PFOA)	ND	4.87	5.68	117		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**30**	Q			75-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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 Client ID: SB-16 (0-2')	Associated sample(s): 21,23,26,28,30					QC Batch ID: WG1677435-4	WG1677435-5		QC Sample: L2243951-26			
Acenaphthene	ND	1400	920	66		950	67		31-137	3		50
1,2,4-Trichlorobenzene	ND	1400	940	67		950	67		38-107	1		50
Hexachlorobenzene	ND	1400	990	71		1000	71		40-140	1		50
Bis(2-chloroethyl)ether	ND	1400	960	69		960	68		40-140	0		50
2-Chloronaphthalene	ND	1400	950	68		950	67		40-140	0		50
1,2-Dichlorobenzene	ND	1400	940	67		940	66		40-140	0		50
1,3-Dichlorobenzene	ND	1400	920	66		910	64		40-140	1		50
1,4-Dichlorobenzene	ND	1400	920	66		890	63		28-104	3		50
3,3'-Dichlorobenzidine	ND	1400	820	59		820	58		40-140	0		50
2,4-Dinitrotoluene	ND	1400	1100	79		1100	78		40-132	0		50
2,6-Dinitrotoluene	ND	1400	1000	72		1000	71		40-140	0		50
Fluoranthene	200	1400	1000	57		1000	57		40-140	0		50
4-Chlorophenyl phenyl ether	ND	1400	920	66		940	66		40-140	2		50
4-Bromophenyl phenyl ether	ND	1400	960	69		970	69		40-140	1		50
Bis(2-chloroisopropyl)ether	ND	1400	1000	72		1000	71		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1400	970	69		990	70		40-117	2		50
Hexachlorobutadiene	ND	1400	850	61		830	59		40-140	2		50
Hexachlorocyclopentadiene	ND	1400	200J	**14**	Q	210J	**15**	Q	40-140	5		50
Hexachloroethane	ND	1400	870	62		840	59		40-140	4		50
Isophorone	ND	1400	930	67		950	67		40-140	2		50
Naphthalene	27J	1400	990	71		980	69		40-140	1		50
Nitrobenzene	ND	1400	1000	72		1100	78		40-140	10		50
NDPA/DPA	ND	1400	960	69		990	70		36-157	3		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Client ID: SB-16 (0-2')	Associated sample(s): 21,23,26,28,30					QC Batch ID: WG1677435-4	WG1677435-5		QC Sample: L2243951-26			
n-Nitrosodi-n-propylamine	ND	1400	960	69		990	70		32-121	3		50
Bis(2-ethylhexyl)phthalate	ND	1400	1200	86		1200	85		40-140	0		50
Butyl benzyl phthalate	ND	1400	980	70		1000	71		40-140	2		50
Di-n-butylphthalate	ND	1400	1000	72		1000	71		40-140	0		50
Di-n-octylphthalate	ND	1400	1100	79		1100	78		40-140	0		50
Diethyl phthalate	ND	1400	930	67		940	66		40-140	1		50
Dimethyl phthalate	ND	1400	920	66		930	66		40-140	1		50
Benzo(a)anthracene	170	1400	1000	59		1000	59		40-140	0		50
Benzo(a)pyrene	170	1400	930	54		920	53		40-140	1		50
Benzo(b)fluoranthene	180	1400	940	54		930	53		40-140	1		50
Benzo(k)fluoranthene	67J	1400	930	67		920	65		40-140	1		50
Chrysene	180	1400	1000	59		990	57		40-140	1		50
Acenaphthylene	36J	1400	1000	72		1000	71		40-140	0		50
Anthracene	ND	1400	990	71		990	70		40-140	0		50
Benzo(ghi)perylene	110J	1400	900	64		900	64		40-140	0		50
Fluorene	ND	1400	970	69		990	70		40-140	2		50
Phenanthrene	78J	1400	1000	72		1000	71		40-140	0		50
Dibenzo(a,h)anthracene	25J	1400	880	63		880	62		40-140	0		50
Indeno(1,2,3-cd)pyrene	110J	1400	970	69		960	68		40-140	1		50
Pyrene	250	1400	1000	54		1000	53		35-142	0		50
Biphenyl	ND	1400	930	67		930	66		37-127	0		50
4-Chloroaniline	ND	1400	730	52		760	54		40-140	4		50
2-Nitroaniline	ND	1400	1300	93		1300	92		47-134	0		50

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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 Client ID: SB-16 (0-2')	Associated sample(s): 21,23,26,28,30					QC Batch ID: WG1677435-4	WG1677435-5		QC Sample: L2243951-26			
3-Nitroaniline	ND	1400	1100	79		1200	85		26-129	9		50
4-Nitroaniline	ND	1400	1100	79		1200	85		41-125	9		50
Dibenzofuran	ND	1400	950	68		980	69		40-140	3		50
2-Methylnaphthalene	22J	1400	1000	72		1000	71		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1400	910	65		910	64		40-117	0		50
Acetophenone	ND	1400	920	66		930	66		14-144	1		50
2,4,6-Trichlorophenol	ND	1400	1000	72		1000	71		30-130	0		50
p-Chloro-m-cresol	ND	1400	1100	79		1100	78		26-103	0		50
2-Chlorophenol	ND	1400	1000	72		1000	71		25-102	0		50
2,4-Dichlorophenol	ND	1400	1000	72		1100	78		30-130	10		50
2,4-Dimethylphenol	ND	1400	950	68		950	67		30-130	0		50
2-Nitrophenol	ND	1400	1100	79		1200	85		30-130	9		50
4-Nitrophenol	ND	1400	940	67		990	70		11-114	5		50
2,4-Dinitrophenol	ND	1400	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1400	160J	11		160J	11		10-130	0		50
Pentachlorophenol	ND	1400	780	56		820	58		17-109	5		50
Phenol	ND	1400	960	69		980	69		26-90	2		50
2-Methylphenol	ND	1400	980	70		1000	71		30-130.	2		50
3-Methylphenol/4-Methylphenol	ND	1400	990	71		1000	71		30-130	1		50
2,4,5-Trichlorophenol	ND	1400	1000	72		1000	71		30-130	0		50
Benzoic Acid	ND	1400	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1400	1000	72		1000	71		40-140	0		50
Carbazole	ND	1400	1000	72		1000	71		54-128	0		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Client ID: SB-16 (0-2')	Associated sample(s): 21,23,26,28,30					QC Batch ID: WG1677435-4			WG1677435-5		QC Sample: L2243951-26	
1,4-Dioxane	ND	1400	740	53		710	50		40-140	4		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	90		90		10-136
2-Fluorobiphenyl	68		70		30-120
2-Fluorophenol	77		76		25-120
4-Terphenyl-d14	67		70		18-120
Nitrobenzene-d5	86		86		23-120
Phenol-d6	79		77		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 56-58 QC Batch ID: WG1678782-3 WG1678782-4 QC Sample: L2243951-56 Client ID: MW-8												
Perfluorobutanoic Acid (PFBA)	17.2	37	57.4	109		57.2	110		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	36.6	37	77.8	111		77.1	111		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	7.11	32.9	42.0	106		42.7	110		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	25.4	37	66.4	111		67.4	115		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	13.0	37	53.8	110		52.1	107		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	26.1	33.8	67.2	121		64.6	115		69-177	4		30
Perfluorooctanoic Acid (PFOA)	48.1	37	84.6	98		99.3	140		63-159	16		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.45J	35.3	40.6	111		40.2	112		49-187	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.3	44.3	125		43.6	125		61-179	2		30
Perfluorononanoic Acid (PFNA)	ND	37	45.2	122		43.0	118		68-171	5		30
Perfluorooctanesulfonic Acid (PFOS)	2.66	34.4	41.4	113		41.6	115		52-151	0		30
Perfluorodecanoic Acid (PFDA)	ND	37	41.6	112		43.8	120		63-171	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.6	45.6	128		38.2	109		56-173	18		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.98	37	35.2	90		37.8	98		60-166	7		30
Perfluoroundecanoic Acid (PFUnA)	ND	37	45.8	124		38.4	105		60-153	18		30
Perfluorodecanesulfonic Acid (PFDS)	ND	35.8	25.4	71		26.2	74		38-156	3		30
Perfluorooctanesulfonamide (FOSA)	ND	37	41.4	112		48.8F	134		46-170	16		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.62	37	33.4	83		35.0	89		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	ND	37	41.7	113		41.7	114		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	0.363JF	37	45.8	123		48.5	132		48-158	6		30
Perfluorotetradecanoic Acid (PFTA)	0.478JF	37	41.1	110		37.3	101		59-182	10		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 56-58 QC Batch ID: WG1678782-3 WG1678782-4 QC Sample: L2243951-56 Client ID: MW-8												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89		107		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**148**	Q	142		14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		71		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		70		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	63		86		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		73		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		71		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		79		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		103		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		80		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	66		77		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		81		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		81		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	25		12		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		92		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		72		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		75		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		95		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab	Associated sample(s): 55-57	QC Batch ID: WG1678995-4	WG1678995-5	QC Sample: L2243951-56	Client ID: MW-8							
1,4-Dioxane	102.J	4810	5650	118		5750	117		40-140	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,4-Dioxane-d8	45		46		15-110

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679728-3 QC Sample: L2246010-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	8.00	38.3	46.6	101		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	17.2	38.3	56.3	102		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	6.50	34	41.1	102		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36	41.7F	116		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	12.1	38.3	54.3	110		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.265J	36.1	38.5	106		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	4.44	38.3	46.8	110		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	1.38J	35	43.1	119		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	9.54F	38.3	54.0F	116		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	36.7B	36.5	62.6	71		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.6	39.0	107		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	0.331JF	38.3	45.4F	118		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	4.22F	35.6	48.3	124		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.3	39.2F	102		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.8	40.9	111		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.9	43.3	117		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.3	57.7F	150		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.3	48.8	127		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37	31.4	85		-	-		38-156	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.3	51.0	133		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.3	44.8	117		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38.3	58.0F	151		-	-		48-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679728-3 QC Sample: L2246010-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	38.3	48.0F	125		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**200**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	58				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	50				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	50				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	160				62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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-SIM - Westborough Lab Associated sample(s): 55-57 QC Batch ID: WG1680408-4 WG1680408-5 QC Sample: L2243951-56 Client ID: MW-8												
Acenaphthene	0.04J	18.2	13	72		13	72		40-140	0		40
2-Chloronaphthalene	ND	18.2	11	61		12	66		40-140	9		40
Fluoranthene	0.02J	18.2	13	72		14	77		40-140	7		40
Hexachlorobutadiene	ND	18.2	10	55		11	61		40-140	10		40
Naphthalene	0.14	18.2	12	65		13	71		40-140	8		40
Benzo(a)anthracene	ND	18.2	13	72		14	77		40-140	7		40
Benzo(a)pyrene	ND	18.2	11	61		12	66		40-140	9		40
Benzo(b)fluoranthene	ND	18.2	13	72		14	77		40-140	7		40
Benzo(k)fluoranthene	ND	18.2	13	72		13	72		40-140	0		40
Chrysene	ND	18.2	13	72		14	77		40-140	7		40
Acenaphthylene	ND	18.2	11	61		11	61		40-140	0		40
Anthracene	ND	18.2	12	66		13	72		40-140	8		40
Benzo(ghi)perylene	ND	18.2	14	77		14	77		40-140	0		40
Fluorene	ND	18.2	13	72		14	77		40-140	7		40
Phenanthrene	0.05J	18.2	12	66		13	72		40-140	8		40
Dibenzo(a,h)anthracene	ND	18.2	14	77		15	83		40-140	7		40
Indeno(1,2,3-cd)pyrene	ND	18.2	15	83		15	83		40-140	0		40
Pyrene	0.02J	18.2	14	77		14	77		40-140	0		40
2-Methylnaphthalene	0.03J	18.2	12	66		12	66		40-140	0		40
Pentachlorophenol	ND	18.2	9.0	50		12	66		40-140	29		40
Hexachlorobenzene	ND	18.2	13	72		14	77		40-140	7		40
Hexachloroethane	ND	18.2	10	55		10	55		40-140	0		40

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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-SIM - Westborough Lab Associated sample(s): 55-57 QC Batch ID: WG1680408-4 WG1680408-5 QC Sample: L2243951-56 Client ID: MW-8												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	86		89		10-120
2-Fluorobiphenyl	64		67		15-120
2-Fluorophenol	65		66		21-120
4-Terphenyl-d14	74		76		41-149
Nitrobenzene-d5	73		77		23-120
Phenol-d6	59		59		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680454-4 WG1680454-5 QC Sample: L2243951-56 Client ID: MW-8												
1,2,4-Trichlorobenzene	ND	18.2	12	66		11	61		39-98	9		30
Bis(2-chloroethyl)ether	ND	18.2	12	66		12	66		40-140	0		30
1,2-Dichlorobenzene	ND	18.2	11	61		11	61		40-140	0		30
1,3-Dichlorobenzene	ND	18.2	11	61		11	61		40-140	0		30
1,4-Dichlorobenzene	ND	18.2	11	61		11	61		36-97	0		30
3,3'-Dichlorobenzidine	ND	18.2	ND	**0**	Q	ND	**0**	Q	40-140	NC		30
2,4-Dinitrotoluene	ND	18.2	11	61		12	66		48-143	9		30
2,6-Dinitrotoluene	ND	18.2	13	72		13	72		40-140	0		30
4-Chlorophenyl phenyl ether	ND	18.2	13	72		12	66		40-140	8		30
4-Bromophenyl phenyl ether	ND	18.2	13	72		12	66		40-140	8		30
Bis(2-chloroisopropyl)ether	ND	18.2	11	61		12	66		40-140	9		30
Bis(2-chloroethoxy)methane	ND	18.2	12	66		12	66		40-140	0		30
Hexachlorocyclopentadiene	ND	18.2	10.J	55		9.9J	54		40-140	1		30
Isophorone	ND	18.2	11	61		12	66		40-140	9		30
Nitrobenzene	ND	18.2	16	88		18	99		40-140	12		30
NDPA/DPA	ND	18.2	13	72		12	66		40-140	8		30
n-Nitrosodi-n-propylamine	ND	18.2	12	66		12	66		29-132	0		30
Bis(2-ethylhexyl)phthalate	ND	18.2	14	77		13	72		40-140	7		30
Butyl benzyl phthalate	ND	18.2	12	66		12	66		40-140	0		30
Di-n-butylphthalate	ND	18.2	13	72		13	72		40-140	0		30
Di-n-octylphthalate	ND	18.2	14	77		13	72		40-140	7		30
Diethyl phthalate	ND	18.2	13	72		13	72		40-140	0		30
Dimethyl phthalate	ND	18.2	12	66		11	61		40-140	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680454-4 WG1680454-5 QC Sample: L2243951-56 Client ID: MW-8												
Biphenyl	ND	18.2	12	66		13	72		40-140	8		30
4-Chloroaniline	ND	18.2	7.3	40		5.8	**32**	Q	40-140	23		30
2-Nitroaniline	ND	18.2	2.8J	**15**	Q	2.9J	**16**	Q	52-143	4		30
3-Nitroaniline	ND	18.2	1.7J	**9**	Q	ND	**0**	Q	25-145	NC		30
4-Nitroaniline	ND	18.2	ND	**0**	Q	ND	**0**	Q	51-143	NC		30
Dibenzofuran	ND	18.2	12	66		12	66		40-140	0		30
1,2,4,5-Tetrachlorobenzene	ND	18.2	12	66		12	66		2-134	0		30
Acetophenone	ND	18.2	12	66		12	66		39-129	0		30
2,4,6-Trichlorophenol	ND	18.2	12	66		12	66		30-130	0		30
p-Chloro-m-cresol	ND	18.2	13	72		12	66		23-97	8		30
2-Chlorophenol	ND	18.2	12	66		12	66		27-123	0		30
2,4-Dichlorophenol	ND	18.2	13	72		12	66		30-130	8		30
2,4-Dimethylphenol	ND	18.2	7.2	40		6.8	37		30-130	6		30
2-Nitrophenol	ND	18.2	12	66		11	61		30-130	9		30
4-Nitrophenol	ND	18.2	9.0J	50		11	61		10-80	20		30
2,4-Dinitrophenol	ND	18.2	9.0J	50		11.J	61		20-130	20		30
4,6-Dinitro-o-cresol	ND	18.2	9.3J	51		9.8J	54		20-164	5		30
Phenol	ND	18.2	10	55		9.5	52		12-110	5		30
2-Methylphenol	ND	18.2	11	61		12	66		30-130	9		30
3-Methylphenol/4-Methylphenol	ND	18.2	12	66		12	66		30-130	0		30
2,4,5-Trichlorophenol	ND	18.2	12	66		12	66		30-130	0		30
Benzoic Acid	ND	18.2	ND	**0**	Q	ND	**0**	Q	10-164	NC		30
Benzyl Alcohol	ND	18.2	11	61		11	61		26-116	0		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680454-4 WG1680454-5 QC Sample: L2243951-56 Client ID: MW-8												
Carbazole	ND	18.2	12	66		12	66		55-144	0		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	60		60		10-120
2-Fluorobiphenyl	61		63		15-120
2-Fluorophenol	61		51		21-120
4-Terphenyl-d14	65		67		41-149
Nitrobenzene-d5	64		64		23-120
Phenol-d6	56		51		10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1675928-4 QC Sample: L2243878-08 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1675928-4 QC Sample: L2243878-08 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	70		69		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**67**	Q	**67**	Q	74-139
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	64		63		14-167
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		73		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	73		74		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**68**	Q	**66**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		76		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**78**	Q	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	76		76		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	60		58		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34		**29**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	72		71		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		**7**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		38		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		58		54-150

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 08,10 QC Batch ID: WG1675928-4 QC Sample: L2243878-08 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**21**	Q	**20**	Q	24-159

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 QC Batch ID: WG1676280-4 QC Sample: L2243951-35 Client ID: TMW-11						
Perfluorobutanoic Acid (PFBA)	13.0	14.6	ng/l	12		30
Perfluoropentanoic Acid (PFPeA)	26.8	28.8	ng/l	7		30
Perfluorobutanesulfonic Acid (PFBS)	9.91	12.0	ng/l	19		30
Perfluorohexanoic Acid (PFHxA)	18.7	19.5	ng/l	4		30
Perfluoroheptanoic Acid (PFHpA)	13.8	14.9	ng/l	8		30
Perfluorohexanesulfonic Acid (PFHxS)	8.21	8.76	ng/l	6		30
Perfluorooctanoic Acid (PFOA)	44.1	46.9	ng/l	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.73JF	1.53J	ng/l	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	0.754J	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	2.08	2.04	ng/l	2		30
Perfluorooctanesulfonic Acid (PFOS)	26.8	25.4	ng/l	5		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 13-14,34-36 QC Batch ID: WG1676280-4 QC Sample: L2243951-35 Client ID: TMW-11						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		87		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		92		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		96		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		78		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		80		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		94		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		90		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**219**	Q	**219**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		105		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		102		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		92		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	176	Q	160		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		94		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		92		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		14		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	69		68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	76		81		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		87		22-136

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 40,44 QC Batch ID: WG1676686-4 QC Sample: L2243936-36 Client ID: DUP Sample						
Perfluorooctanoic Acid (PFOA)	3.12	3.21	ng/g	3		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		**72**	Q	75-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1677428-4 QC Sample: L2244054-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	69.3	71.8	ng/l	4		30
Perfluoropentanoic Acid (PFPeA)	355	364	ng/l	3		30
Perfluorobutanesulfonic Acid (PFBS)	0.918J	0.802J	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	152	158	ng/l	4		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	68.8	72.0	ng/l	5		30
Perfluorohexanesulfonic Acid (PFHxS)	0.342J	0.356J	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	37.1	39.6	ng/l	7		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	222	222	ng/l	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	5.18	5.87	ng/l	12		30
Perfluorooctanesulfonic Acid (PFOS)	2.87	2.72	ng/l	5		30
Perfluorodecanoic Acid (PFDA)	0.813JF	0.900JF	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	13.2	16.9	ng/l	25		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1677428-4 QC Sample: L2244054-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.752J	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		104		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		94		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		94		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**287**	Q	**275**	Q	12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	70		68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		86		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		114		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		96		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**368**	Q	**360**	Q	14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		98		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	114		112		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		80		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**198**	Q	**169**	Q	10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	97		74		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	94		83		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		22		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		83		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		77		48-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1677428-4 QC Sample: L2244054-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	85		86		22-136

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 54 QC Batch ID: WG1677434-4 QC Sample: L2243936-38 Client ID: DUP Sample						
Perfluorooctanoic Acid (PFOA)	0.385F	0.403F	ng/g	5		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q	**57**	Q	75-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	22.4	21.2	ng/l	6		30
Perfluoropentanoic Acid (PFPeA)	23.0	21.2	ng/l	8		30
Perfluorobutanesulfonic Acid (PFBS)	0.679J	0.623J	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	11.2	10.3	ng/l	8		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	3.21	2.97	ng/l	8		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	3.60F	4.19F	ng/l	15		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.73B	63.8	ng/l	**178**	Q	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.37JF	1.02JF	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.14J	1.48JF	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	0.334JF	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	140		149		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		90		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	147	Q	142		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	73		74		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		89		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		115		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		86		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		96		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		62		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		12		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		88		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**47**	Q	51		48-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample						

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41		43		22-136

PETROLEUM HYDROCARBONS

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-11
Client ID: WC-02 (1')
Sample Location: Not Specified

Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/18/22 15:48
Analyst: BAD
Percent Solids: 93%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	990	J	ug/kg	2400	47.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	93		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-12
Client ID: WC-02
Sample Location: Not Specified

Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/21/22 20:29
Analyst: AL
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 22:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	77.0		mg/kg	26.4	26.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	75		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-47
Client ID: WC-01 (2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/23/22 12:19
Analyst: BAD
Percent Solids: 93%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	880	J	ug/kg	2500	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	105		70-130
4-Bromofluorobenzene	94		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-48
Client ID: WC-01
Sample Location: Not Specified

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/24/22 09:11
Analyst: SC
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/22/22 15:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	29.4		mg/kg	28.7	28.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	71		40-140

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/18/22 13:58
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 11 Batch: WG1676392-15					
Gasoline Range Organics	1200	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	75		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/19/22 08:50
Analyst: SR

Extraction Method: EPA 3546
Extraction Date: 08/18/22 14:03

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 12 Batch: WG1676950-1					
Total EPH	ND		mg/kg	23.7	23.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	74		40-140

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/23/22 09:38
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/22/22 01:10

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 48 Batch: WG1677960-1					
Total EPH	ND		mg/kg	22.9	22.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	86		40-140

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/23/22 10:47
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 47 Batch: WG1678637-10					
Gasoline Range Organics	820	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	81		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 11		Batch: WG1676392-13		WG1676392-14			
Gasoline Range Organics	90		89		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	105		104		70-130
4-Bromofluorobenzene	87		84		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12 Batch: WG1676950-2 WG1676950-3								
Total EPH	97		92		40-140	5		25
Nonane (C9)	76		72		40-140	5		25
Decane (C10)	77		74		40-140	4		25
Dodecane (C12)	74		71		40-140	4		25
Tetradecane (C14)	76		72		40-140	5		25
Hexadecane (C16)	80		74		40-140	8		25
Octadecane (C18)	86		78		40-140	10		25
Eicosane (C20)	84		77		40-140	9		25
Heneicosane (C21)	87		82		40-140	6		25
Docosane (C22)	83		77		40-140	8		25
Tetracosane (C24)	85		79		40-140	7		25
Hexacosane (C26)	84		79		40-140	6		25
Octacosane (C28)	84		79		40-140	6		25
Triacontane (C30)	86		82		40-140	5		25
Dotriacontane (C32)	89		83		40-140	7		25
Tetratriacontane (C34)	86		81		40-140	6		25
Hexatriacontane (C36)	89		83		40-140	7		25
Octatriacontane (C38)	91		84		40-140	8		25
Tetracontane (C40)	90		84		40-140	7		25

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 12 Batch: WG1676950-2 WG1676950-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	72		65		40-140
o-Terphenyl	78		73		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 48 Batch: WG1677960-2 WG1677960-3								
Total EPH	101		105		40-140	4		25
Nonane (C9)	95		99		40-140	4		25
Decane (C10)	97		102		40-140	5		25
Dodecane (C12)	95		100		40-140	5		25
Tetradecane (C14)	92		99		40-140	7		25
Hexadecane (C16)	91		97		40-140	6		25
Octadecane (C18)	96		100		40-140	4		25
Eicosane (C20)	94		98		40-140	4		25
Heneicosane (C21)	94		97		40-140	3		25
Docosane (C22)	94		97		40-140	3		25
Tetracosane (C24)	93		96		40-140	3		25
Hexacosane (C26)	92		94		40-140	2		25
Octacosane (C28)	91		94		40-140	3		25
Triacontane (C30)	92		94		40-140	2		25
Dotriacontane (C32)	93		95		40-140	2		25
Tetratriacontane (C34)	90		92		40-140	2		25
Hexatriacontane (C36)	92		94		40-140	2		25
Octatriacontane (C38)	118		93		40-140	24		25
Tetracontane (C40)	91		93		40-140	2		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 48 Batch: WG1677960-2 WG1677960-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	85		91		40-140
o-Terphenyl	88		94		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 47		Batch: WG1678637-8 WG1678637-9					
Gasoline Range Organics	90		96		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	106		107		70-130
4-Bromofluorobenzene	91		91		70-130

PCBS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02
Client ID: SB-09 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/20/22 00:52
Analyst: MEO
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 10:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.15	1	A
Aroclor 1221	ND		ug/kg	35.4	3.55	1	A
Aroclor 1232	ND		ug/kg	35.4	7.51	1	A
Aroclor 1242	ND		ug/kg	35.4	4.78	1	A
Aroclor 1248	ND		ug/kg	35.4	5.32	1	A
Aroclor 1254	ND		ug/kg	35.4	3.88	1	A
Aroclor 1260	ND		ug/kg	35.4	6.55	1	A
Aroclor 1262	ND		ug/kg	35.4	4.50	1	A
Aroclor 1268	ND		ug/kg	35.4	3.67	1	A
PCBs, Total	ND		ug/kg	35.4	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/22 13:13
Analyst: JM
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.4	3.50	1	A
Aroclor 1221	ND		ug/kg	39.4	3.95	1	A
Aroclor 1232	ND		ug/kg	39.4	8.35	1	A
Aroclor 1242	ND		ug/kg	39.4	5.31	1	A
Aroclor 1248	ND		ug/kg	39.4	5.91	1	A
Aroclor 1254	ND		ug/kg	39.4	4.31	1	A
Aroclor 1260	17.5	JP	ug/kg	39.4	7.28	1	A
Aroclor 1262	ND		ug/kg	39.4	5.00	1	A
Aroclor 1268	ND		ug/kg	39.4	4.08	1	A
PCBs, Total	17.5	J	ug/kg	39.4	3.50	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/22 13:20
Analyst: JM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.28	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.82	1	A
Aroclor 1242	ND		ug/kg	36.9	4.97	1	A
Aroclor 1248	ND		ug/kg	36.9	5.53	1	A
Aroclor 1254	ND		ug/kg	36.9	4.04	1	A
Aroclor 1260	ND		ug/kg	36.9	6.82	1	A
Aroclor 1262	ND		ug/kg	36.9	4.68	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	ND		ug/kg	36.9	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/19/22 13:28
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	ND		ug/kg	35.6	3.90	1	A
Aroclor 1260	ND		ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/22/22 09:14
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 13:26
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

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	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 15:08
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 23:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.5	3.06	1	A
Aroclor 1221	ND		ug/kg	34.5	3.46	1	A
Aroclor 1232	ND		ug/kg	34.5	7.31	1	A
Aroclor 1242	ND		ug/kg	34.5	4.65	1	A
Aroclor 1248	ND		ug/kg	34.5	5.17	1	A
Aroclor 1254	ND		ug/kg	34.5	3.77	1	A
Aroclor 1260	ND		ug/kg	34.5	6.38	1	A
Aroclor 1262	ND		ug/kg	34.5	4.38	1	A
Aroclor 1268	ND		ug/kg	34.5	3.57	1	A
PCBs, Total	ND		ug/kg	34.5	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 15:16
Analyst: JM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 23:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.50	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	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	65		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 22:14
Analyst: AD
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 21:34
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.29	1	A
Aroclor 1221	ND		ug/kg	37.1	3.71	1	A
Aroclor 1232	ND		ug/kg	37.1	7.86	1	A
Aroclor 1242	ND		ug/kg	37.1	5.00	1	A
Aroclor 1248	ND		ug/kg	37.1	5.56	1	A
Aroclor 1254	ND		ug/kg	37.1	4.05	1	A
Aroclor 1260	ND		ug/kg	37.1	6.85	1	A
Aroclor 1262	ND		ug/kg	37.1	4.71	1	A
Aroclor 1268	ND		ug/kg	37.1	3.84	1	A
PCBs, Total	ND		ug/kg	37.1	3.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 21:41
Analyst: AD
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 21:34
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.8	3.18	1	A
Aroclor 1221	ND		ug/kg	35.8	3.58	1	A
Aroclor 1232	ND		ug/kg	35.8	7.58	1	A
Aroclor 1242	ND		ug/kg	35.8	4.82	1	A
Aroclor 1248	ND		ug/kg	35.8	5.36	1	A
Aroclor 1254	ND		ug/kg	35.8	3.91	1	A
Aroclor 1260	ND		ug/kg	35.8	6.61	1	A
Aroclor 1262	ND		ug/kg	35.8	4.54	1	A
Aroclor 1268	ND		ug/kg	35.8	3.70	1	A
PCBs, Total	ND		ug/kg	35.8	3.18	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 22:23
Analyst: AD
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 21:34
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/21/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.6	3.34	1	A
Aroclor 1221	ND		ug/kg	37.6	3.77	1	A
Aroclor 1232	ND		ug/kg	37.6	7.97	1	A
Aroclor 1242	ND		ug/kg	37.6	5.07	1	A
Aroclor 1248	ND		ug/kg	37.6	5.64	1	A
Aroclor 1254	ND		ug/kg	37.6	4.11	1	A
Aroclor 1260	20.1	J	ug/kg	37.6	6.95	1	A
Aroclor 1262	ND		ug/kg	37.6	4.78	1	A
Aroclor 1268	ND		ug/kg	37.6	3.90	1	A
PCBs, Total	20.1	J	ug/kg	37.6	3.34	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/22/22 15:24
Analyst: JM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 23:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.6	3.16	1	A
Aroclor 1221	ND		ug/kg	35.6	3.57	1	A
Aroclor 1232	ND		ug/kg	35.6	7.55	1	A
Aroclor 1242	ND		ug/kg	35.6	4.80	1	A
Aroclor 1248	ND		ug/kg	35.6	5.34	1	A
Aroclor 1254	ND		ug/kg	35.6	3.89	1	A
Aroclor 1260	ND		ug/kg	35.6	6.58	1	A
Aroclor 1262	ND		ug/kg	35.6	4.52	1	A
Aroclor 1268	ND		ug/kg	35.6	3.69	1	A
PCBs, Total	ND		ug/kg	35.6	3.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/22/22 20:31
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 07:51
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

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	92		30-150	A
Decachlorobiphenyl	98		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/22/22 20:40
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 07:51
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.071	0.061	1	A
Aroclor 1221	ND		ug/l	0.071	0.061	1	A
Aroclor 1232	ND		ug/l	0.071	0.061	1	A
Aroclor 1242	ND		ug/l	0.071	0.061	1	A
Aroclor 1248	ND		ug/l	0.071	0.061	1	A
Aroclor 1254	ND		ug/l	0.071	0.061	1	A
Aroclor 1260	ND		ug/l	0.071	0.061	1	A
Aroclor 1262	ND		ug/l	0.071	0.061	1	A
Aroclor 1268	ND		ug/l	0.071	0.061	1	A
PCBs, Total	ND		ug/l	0.071	0.061	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/22 18:57
Analyst: SDC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.7	3.44	1	A
Aroclor 1221	ND		ug/kg	38.7	3.88	1	A
Aroclor 1232	ND		ug/kg	38.7	8.20	1	A
Aroclor 1242	ND		ug/kg	38.7	5.22	1	A
Aroclor 1248	ND		ug/kg	38.7	5.80	1	A
Aroclor 1254	ND		ug/kg	38.7	4.23	1	A
Aroclor 1260	ND		ug/kg	38.7	7.15	1	A
Aroclor 1262	ND		ug/kg	38.7	4.91	1	A
Aroclor 1268	ND		ug/kg	38.7	4.01	1	A
PCBs, Total	ND		ug/kg	38.7	3.44	1	A

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	73		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/22 19:05
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.03	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/24/22 09:50
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 02:37
Cleanup Method: EPA 3665A
Cleanup Date: 08/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/22

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	98		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/22 03:56
Analyst: ER
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 20:06
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.25	1	A
Aroclor 1221	ND		ug/kg	36.6	3.67	1	A
Aroclor 1232	ND		ug/kg	36.6	7.76	1	A
Aroclor 1242	ND		ug/kg	36.6	4.94	1	A
Aroclor 1248	ND		ug/kg	36.6	5.49	1	A
Aroclor 1254	ND		ug/kg	36.6	4.01	1	A
Aroclor 1260	ND		ug/kg	36.6	6.77	1	A
Aroclor 1262	ND		ug/kg	36.6	4.65	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:40
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/26/22 03:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

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	90		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/29/22 09:21
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 19:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/29/22 09:57
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 19:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	80		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/04/22 11:55
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 16:03
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/22

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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/19/22 12:09
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/18/22 22:27
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,08,10 Batch: WG1677073-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.22	A
Aroclor 1232	ND		ug/kg	32.1	6.81	A
Aroclor 1242	ND		ug/kg	32.1	4.33	A
Aroclor 1248	ND		ug/kg	32.1	4.82	A
Aroclor 1254	ND		ug/kg	32.1	3.52	A
Aroclor 1260	ND		ug/kg	32.1	5.94	A
Aroclor 1262	ND		ug/kg	32.1	4.08	A
Aroclor 1268	ND		ug/kg	32.1	3.33	A
PCBs, Total	ND		ug/kg	32.1	2.85	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/19/22 14:35
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 10:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,54 Batch: WG1677301-1						
Aroclor 1016	ND		ug/kg	33.2	2.95	A
Aroclor 1221	ND		ug/kg	33.2	3.33	A
Aroclor 1232	ND		ug/kg	33.2	7.04	A
Aroclor 1242	ND		ug/kg	33.2	4.48	A
Aroclor 1248	ND		ug/kg	33.2	4.98	A
Aroclor 1254	ND		ug/kg	33.2	3.63	A
Aroclor 1260	ND		ug/kg	33.2	6.14	A
Aroclor 1262	ND		ug/kg	33.2	4.22	A
Aroclor 1268	ND		ug/kg	33.2	3.44	B
PCBs, Total	ND		ug/kg	33.2	2.95	B

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	70		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/22 14:28
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/19/22 21:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 16,18,32 Batch: WG1677492-1						
Aroclor 1016	ND		ug/kg	31.3	2.78	A
Aroclor 1221	ND		ug/kg	31.3	3.14	A
Aroclor 1232	ND		ug/kg	31.3	6.63	A
Aroclor 1242	ND		ug/kg	31.3	4.22	A
Aroclor 1248	ND		ug/kg	31.3	4.69	A
Aroclor 1254	ND		ug/kg	31.3	3.42	A
Aroclor 1260	ND		ug/kg	31.3	5.78	A
Aroclor 1262	ND		ug/kg	31.3	3.97	A
Aroclor 1268	ND		ug/kg	31.3	3.24	A
PCBs, Total	ND		ug/kg	31.3	2.78	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	68		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/22 21:03
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/20/22 00:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 23,26,30 Batch: WG1677505-1						
Aroclor 1016	ND		ug/kg	32.2	2.86	A
Aroclor 1221	ND		ug/kg	32.2	3.23	A
Aroclor 1232	ND		ug/kg	32.2	6.82	A
Aroclor 1242	ND		ug/kg	32.2	4.34	A
Aroclor 1248	ND		ug/kg	32.2	4.83	A
Aroclor 1254	ND		ug/kg	32.2	3.52	A
Aroclor 1260	ND		ug/kg	32.2	5.95	A
Aroclor 1262	ND		ug/kg	32.2	4.09	A
Aroclor 1268	ND		ug/kg	32.2	3.34	A
PCBs, Total	ND		ug/kg	32.2	2.86	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/22/22 08:47
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/21/22 13:26
Cleanup Method: EPA 3665A
Cleanup Date: 08/21/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 13,34-35 Batch: WG1677851-1						
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	65		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/22 13:56
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/21/22 20:28
Cleanup Method: EPA 3665A
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 40,44 Batch: WG1677920-1						
Aroclor 1016	ND		ug/kg	32.0	2.84	A
Aroclor 1221	ND		ug/kg	32.0	3.21	A
Aroclor 1232	ND		ug/kg	32.0	6.79	A
Aroclor 1242	ND		ug/kg	32.0	4.32	A
Aroclor 1248	ND		ug/kg	32.0	4.80	A
Aroclor 1254	ND		ug/kg	32.0	3.50	A
Aroclor 1260	ND		ug/kg	32.0	5.92	A
Aroclor 1262	ND		ug/kg	32.0	4.07	A
Aroclor 1268	ND		ug/kg	32.0	3.32	A
PCBs, Total	ND		ug/kg	32.0	2.84	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	41		30-150	A
2,4,5,6-Tetrachloro-m-xylene	44		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/24/22 09:23
Analyst: ER

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 02:37
Cleanup Method: EPA 3665A
Cleanup Date: 08/24/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 45 Batch: WG1678891-1						
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	101		30-150	A
Decachlorobiphenyl	102		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/26/22 03:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 55 Batch: WG1679924-1						
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	93		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/29/22 08:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 19:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 56-57 Batch: WG1680678-1						
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	87		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/04/22 11:22
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 16:03
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 59 Batch: WG1683090-1						
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	88		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,08,10 Batch: WG1677073-2 WG1677073-3									
Aroclor 1016	97		96		40-140	1		50	A
Aroclor 1260	92		92		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		82		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		82		30-150	B
Decachlorobiphenyl	68		72		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,54 Batch: WG1677301-2 WG1677301-3									
Aroclor 1016	76		67		40-140	13		50	A
Aroclor 1260	71		65		40-140	9		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		67		30-150	A
Decachlorobiphenyl	71		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		64		30-150	B
Decachlorobiphenyl	62		58		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 16,18,32 Batch: WG1677492-2 WG1677492-3									
Aroclor 1016	74		78		40-140	5		50	A
Aroclor 1260	70		74		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		80		30-150	A
Decachlorobiphenyl	75		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		78		30-150	B
Decachlorobiphenyl	73		77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 23,26,30 Batch: WG1677505-2 WG1677505-3									
Aroclor 1016	81		76		40-140	6		50	A
Aroclor 1260	69		65		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	A
Decachlorobiphenyl	80		75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		83		30-150	B
Decachlorobiphenyl	74		70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 13,34-35 Batch: WG1677851-2 WG1677851-3									
Aroclor 1016	81		83		40-140	3		50	A
Aroclor 1260	82		84		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		71		30-150	A
Decachlorobiphenyl	95		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		70		30-150	B
Decachlorobiphenyl	100		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 40,44 Batch: WG1677920-2 WG1677920-3									
Aroclor 1016	73		70		40-140	4		50	A
Aroclor 1260	66		63		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		74		30-150	A
Decachlorobiphenyl	69		65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		71		30-150	B
Decachlorobiphenyl	64		61		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 45 Batch: WG1678891-2 WG1678891-3									
Aroclor 1016	85		91		40-140	7		50	A
Aroclor 1260	82		89		40-140	8		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		103		30-150	A
Decachlorobiphenyl	97		100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		102		30-150	B
Decachlorobiphenyl	106		110		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 55 Batch: WG1679924-2 WG1679924-3									
Aroclor 1016	83		82		40-140	1		50	A
Aroclor 1260	80		80		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		94		30-150	A
Decachlorobiphenyl	95		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		93		30-150	B
Decachlorobiphenyl	101		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 56-57 Batch: WG1680678-2 WG1680678-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	75		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150	A
Decachlorobiphenyl	82		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		82		30-150	B
Decachlorobiphenyl	82		93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 59 Batch: WG1683090-2 WG1683090-3									
Aroclor 1016	82		94		40-140	13		50	A
Aroclor 1260	86		95		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		95		30-150	A
Decachlorobiphenyl	83		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		94		30-150	B
Decachlorobiphenyl	87		99		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 23,26,30 QC Batch ID: WG1677505-6 WG1677505-7 QC Sample: L2243951-26 Client ID: SB-16 (0-2')													
Aroclor 1016	ND	217	171	79		153	72		40-140	11		50	A
Aroclor 1260	ND	217	148	68		141	67		40-140	5		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	A
Decachlorobiphenyl	70		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		80		30-150	B
Decachlorobiphenyl	66		63		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680678-4 WG1680678-5 QC Sample: L2243951-56 Client ID: MW-8													
Aroclor 1016	ND	1.78	1.29	72		1.30	73		40-140	1		50	A
Aroclor 1260	ND	1.78	1.36	76		1.37	77		40-140	1		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		82		30-150	A
Decachlorobiphenyl	85		83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		81		30-150	B
Decachlorobiphenyl	89		86		30-150	B

PESTICIDES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02
Client ID: SB-09 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 13:50
Analyst: EJL
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/19/22 11:47
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

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	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	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	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	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	0.694	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02 Date Collected: 08/15/22 12:10

Client ID: SB-09 (0-2') Date Received: 08/15/22

Sample Location: Not Specified 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	89		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	114		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02
Client ID: SB-09 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 11:25
Analyst: AKM
Percent Solids: 92%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.58	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	99		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 01:12
Analyst: EJL
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 21:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.767	0.343	1	A
Alpha-BHC	ND		ug/kg	0.767	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.698	1	A
Heptachlor	ND		ug/kg	0.920	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.648	1	A
Heptachlor epoxide	ND		ug/kg	3.45	1.03	1	A
Endrin	ND		ug/kg	0.767	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.805	1	A
Endrin ketone	ND		ug/kg	1.84	0.474	1	A
Dieldrin	ND		ug/kg	1.15	0.575	1	A
4,4'-DDE	ND		ug/kg	1.84	0.425	1	A
4,4'-DDD	ND		ug/kg	1.84	0.656	1	A
4,4'-DDT	ND		ug/kg	1.84	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.435	1	A
Endosulfan II	ND		ug/kg	1.84	0.615	1	A
Endosulfan sulfate	ND		ug/kg	0.767	0.365	1	A
Methoxychlor	ND		ug/kg	3.45	1.07	1	A
Toxaphene	ND		ug/kg	34.5	9.66	1	A
cis-Chlordane	ND		ug/kg	2.30	0.641	1	A
trans-Chlordane	ND		ug/kg	2.30	0.607	1	A
Chlordane	ND		ug/kg	15.3	6.09	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04 Date Collected: 08/15/22 12:20

Client ID: SB-09 (5-7') Date Received: 08/15/22

Sample Location: Not Specified 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	108		30-150	A
Decachlorobiphenyl	103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	111		30-150	B
Decachlorobiphenyl	95		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 11:44
Analyst: AKM
Percent Solids: 82%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	202	12.7	1	A
2,4,5-T	ND		ug/kg	202	6.26	1	A
2,4,5-TP (Silvex)	ND		ug/kg	202	5.37	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	80		30-150	A
DCAA	78		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 01:33
Analyst: EJL
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 21:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.651	1	A
4,4'-DDT	ND		ug/kg	1.82	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	15.2	6.04	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08 Date Collected: 08/15/22 14:45

Client ID: SB-14 (4-6') Date Received: 08/15/22

Sample Location: Not Specified 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	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 12:02
Analyst: AKM
Percent Solids: 86%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	12.0	1	A
2,4,5-T	ND		ug/kg	191	5.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	5.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	88		30-150	A
DCAA	83		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 01:44
Analyst: EJL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/18/22 21:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/22

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	0.590	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	0.733	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	0.560	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	5.55	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10 Date Collected: 08/15/22 00:00

Client ID: DUP-SOIL-8.15.22 Date Received: 08/15/22

Sample Location: Not Specified 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	100		30-150	A
Decachlorobiphenyl	97		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 12:20
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	94		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/22/22 12:14
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 00:26

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13 Date Collected: 08/15/22 15:00

Client ID: TMW-09 Date Received: 08/15/22

Sample Location: Not Specified 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	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	89		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/20/22 21:30
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 14:04

Methylation Date: 08/20/22 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	128		30-150	A
DCAA	117		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 23:37
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.323	1	A
Lindane	ND		ug/kg	0.686	0.307	1	A
Alpha-BHC	ND		ug/kg	0.686	0.195	1	A
Beta-BHC	ND		ug/kg	1.65	0.625	1	A
Heptachlor	ND		ug/kg	0.824	0.369	1	A
Aldrin	ND		ug/kg	1.65	0.580	1	A
Heptachlor epoxide	ND		ug/kg	3.09	0.927	1	A
Endrin	ND		ug/kg	0.686	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.721	1	A
Endrin ketone	ND		ug/kg	1.65	0.424	1	A
Dieldrin	ND		ug/kg	1.03	0.515	1	A
4,4'-DDE	ND		ug/kg	1.65	0.381	1	A
4,4'-DDD	ND		ug/kg	1.65	0.588	1	A
4,4'-DDT	ND		ug/kg	1.65	1.32	1	A
Endosulfan I	ND		ug/kg	1.65	0.389	1	A
Endosulfan II	ND		ug/kg	1.65	0.550	1	A
Endosulfan sulfate	ND		ug/kg	0.686	0.327	1	A
Methoxychlor	ND		ug/kg	3.09	0.961	1	A
Toxaphene	ND		ug/kg	30.9	8.65	1	A
cis-Chlordane	ND		ug/kg	2.06	0.574	1	A
trans-Chlordane	ND		ug/kg	2.06	0.544	1	A
Chlordane	ND		ug/kg	13.7	5.46	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16 Date Collected: 08/16/22 09:20

Client ID: SB-10 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 16:04
Analyst: AKM
Percent Solids: 92%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 05:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	179	11.3	1	A
2,4,5-T	ND		ug/kg	179	5.56	1	A
2,4,5-TP (Silvex)	ND		ug/kg	179	4.77	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	52		30-150	A
DCAA	54		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 23:26
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22

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	0.295	1	A
Endrin aldehyde	ND		ug/kg	2.16	0.757	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	1.65	J	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	9.08	1	A
cis-Chlordane	ND	IP	ug/kg	2.16	0.602	1	A
trans-Chlordane	ND	IP	ug/kg	2.16	0.571	1	A
Chlordane	ND		ug/kg	14.4	5.73	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18 Date Collected: 08/16/22 09:30

Client ID: SB-10 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 17:34
Analyst: AKM
Percent Solids: 90%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 05:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	101		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/22/22 11:33
Analyst: AR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 00:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

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	2.20	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	B
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	2.20	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23 Date Collected: 08/16/22 10:45

Client ID: SB-11 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 16:44
Analyst: EJL
Percent Solids: 87%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.8	1	A
2,4,5-T	ND		ug/kg	186	5.78	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	93		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/22/22 11:01
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 00:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.685	0.306	1	A
Alpha-BHC	ND		ug/kg	0.685	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.822	0.369	1	A
Aldrin	ND		ug/kg	1.64	0.579	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.925	1	A
Endrin	ND		ug/kg	0.685	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.06	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.514	1	A
4,4'-DDE	3.14		ug/kg	1.64	0.380	1	B
4,4'-DDD	ND		ug/kg	1.64	0.586	1	B
4,4'-DDT	2.85		ug/kg	1.64	1.32	1	B
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.685	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.959	1	A
Toxaphene	ND		ug/kg	30.8	8.63	1	A
cis-Chlordane	ND		ug/kg	2.06	0.573	1	A
trans-Chlordane	ND		ug/kg	2.06	0.543	1	A
Chlordane	ND		ug/kg	13.7	5.45	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26 Date Collected: 08/16/22 12:20

Client ID: SB-16 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	110		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 15:09
Analyst: AKM
Percent Solids: 93%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 05:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	37		30-150	A
DCAA	44		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/22/22 11:44
Analyst: AR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 00:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/22/22

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	2.14	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	2.14	0.598	1	A
trans-Chlordane	ND		ug/kg	2.14	0.566	1	A
Chlordane	ND		ug/kg	14.3	5.69	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30 Date Collected: 08/16/22 14:15

Client ID: SB-12 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	87		30-150	A
Decachlorobiphenyl	109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 17:03
Analyst: EJL
Percent Solids: 88%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	61		30-150	A
DCAA	67		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 23:14
Analyst: AR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22

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	0.292	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	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	0.403	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32 Date Collected: 08/16/22 12:30

Client ID: SB-16 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 15:01
Analyst: EJL
Percent Solids: 89%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	97		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/23/22 12:23
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 21:56

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	0.008	JIP	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified 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	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/20/22 21:48
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 14:04

Methylation Date: 08/20/22 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	127		30-150	A
DCAA	126		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/23/22 12:33
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 21:56

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	0.009	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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified 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	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	69		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/20/22 22:06
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 14:04

Methylation Date: 08/20/22 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	126		30-150	A
DCAA	122		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/23/22 13:35
Analyst: AKM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 23:14
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.360	1	A
Lindane	ND		ug/kg	0.765	0.342	1	A
Alpha-BHC	ND		ug/kg	0.765	0.217	1	A
Beta-BHC	ND		ug/kg	1.84	0.696	1	A
Heptachlor	ND		ug/kg	0.918	0.412	1	A
Aldrin	ND		ug/kg	1.84	0.647	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.765	0.314	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.804	1	A
Endrin ketone	ND		ug/kg	1.84	0.473	1	A
Dieldrin	ND		ug/kg	1.15	0.574	1	A
4,4'-DDE	0.437	J	ug/kg	1.84	0.425	1	B
4,4'-DDD	ND		ug/kg	1.84	0.655	1	A
4,4'-DDT	ND		ug/kg	1.84	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.434	1	A
Endosulfan II	ND		ug/kg	1.84	0.614	1	A
Endosulfan sulfate	ND		ug/kg	0.765	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.64	1	A
cis-Chlordane	ND		ug/kg	2.30	0.640	1	A
trans-Chlordane	ND		ug/kg	2.30	0.606	1	A
Chlordane	ND		ug/kg	15.3	6.08	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40 Date Collected: 08/17/22 09:30

Client ID: SB-13 (3-5') Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	88		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 15:19
Analyst: AKM
Percent Solids: 86%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.96	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	70		30-150	A
DCAA	73		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/23/22 13:46
Analyst: AKM
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/21/22 23:14
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

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	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.993	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	7.54		ug/kg	1.77	0.408	1	B
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	1.77	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.27	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.7	5.85	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44 Date Collected: 08/17/22 10:45

Client ID: SB-15 (3-5') Date Received: 08/17/22

Sample Location: Not Specified 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	90		30-150	A
Decachlorobiphenyl	**217**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	142		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 15:38
Analyst: AKM
Percent Solids: 88%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:48

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.79	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	98		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/19/22 23:39
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 08:18

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified 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	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	42		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/20/22 22:25
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 14:04

Methylation Date: 08/20/22 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	127		30-150	A
DCAA	121		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/20/22 22:30
Analyst: AR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54 Date Collected: 08/18/22 09:00

Client ID: SB-20 (7-9') Date Received: 08/18/22

Sample Location: Not Specified 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	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified
Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 15:57
Analyst: AKM
Percent Solids: 89%
Methylation Date: 08/21/22 23:45
Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.77	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	96		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/26/22 10:25
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15

Client ID: LBC-2 Date Received: 08/19/22

Sample Location: Not Specified 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	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/23/22 15:25
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 06:20

Methylation Date: 08/22/22 23:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	94		30-150	A
DCAA	90		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/27/22 17:48
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

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	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56 Date Collected: 08/22/22 10:00

Client ID: MW-8 Date Received: 08/22/22

Sample Location: Not Specified 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	**28**	Q	30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	31		30-150	B
Decachlorobiphenyl	46		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/26/22 18:09
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/25/22 20:10

Methylation Date: 08/26/22 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	77		30-150	A
DCAA	75		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/27/22 18:37
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

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	B
Lindane	ND		ug/l	0.014	0.003	1	B
Alpha-BHC	ND		ug/l	0.014	0.003	1	B
Beta-BHC	ND		ug/l	0.014	0.004	1	B
Heptachlor	ND		ug/l	0.014	0.002	1	B
Aldrin	ND		ug/l	0.014	0.002	1	B
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	B
Endrin	ND		ug/l	0.029	0.003	1	B
Endrin aldehyde	ND		ug/l	0.029	0.006	1	B
Endrin ketone	ND		ug/l	0.029	0.003	1	B
Dieldrin	ND		ug/l	0.029	0.003	1	B
4,4'-DDE	ND		ug/l	0.029	0.003	1	B
4,4'-DDD	ND		ug/l	0.029	0.003	1	B
4,4'-DDT	ND		ug/l	0.029	0.003	1	B
Endosulfan I	ND		ug/l	0.014	0.002	1	B
Endosulfan II	ND		ug/l	0.029	0.004	1	B
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	B
Methoxychlor	ND		ug/l	0.143	0.005	1	B
Toxaphene	ND		ug/l	0.143	0.045	1	B
cis-Chlordane	ND		ug/l	0.014	0.005	1	B
trans-Chlordane	ND		ug/l	0.014	0.004	1	B
Chlordane	ND		ug/l	0.143	0.033	1	B

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57 Date Collected: 08/22/22 00:00

Client ID: DUP-GW-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/26/22 19:04
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/25/22 20:10

Methylation Date: 08/26/22 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	81		30-150	A
DCAA	79		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/31/22 09:16
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 15:04

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: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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	96		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	40		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/29/22 04:40
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/27/22 21:34

Methylation Date: 08/28/22 07:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	84		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/22 22:48
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 45 Batch: WG1676757-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/22 22:48
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 08/18/22 08:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 45 Batch: WG1676757-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/22 23:49
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 08/18/22 21:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,08,10 Batch: WG1677062-1						
Delta-BHC	ND		ug/kg	1.58	0.309	A
Lindane	ND		ug/kg	0.658	0.294	A
Alpha-BHC	ND		ug/kg	0.658	0.187	A
Beta-BHC	ND		ug/kg	1.58	0.599	A
Heptachlor	ND		ug/kg	0.789	0.354	A
Aldrin	ND		ug/kg	1.58	0.556	A
Heptachlor epoxide	ND		ug/kg	2.96	0.888	A
Endrin	ND		ug/kg	0.658	0.270	A
Endrin aldehyde	ND		ug/kg	1.97	0.691	A
Endrin ketone	ND		ug/kg	1.58	0.406	A
Dieldrin	ND		ug/kg	0.987	0.493	A
4,4'-DDE	ND		ug/kg	1.58	0.365	A
4,4'-DDD	ND		ug/kg	1.58	0.563	A
4,4'-DDT	ND		ug/kg	1.58	1.27	A
Endosulfan I	ND		ug/kg	1.58	0.373	A
Endosulfan II	ND		ug/kg	1.58	0.528	A
Endosulfan sulfate	ND		ug/kg	0.658	0.313	A
Methoxychlor	ND		ug/kg	2.96	0.921	A
Toxaphene	ND		ug/kg	29.6	8.29	A
cis-Chlordane	ND		ug/kg	1.97	0.550	A
trans-Chlordane	ND		ug/kg	1.97	0.521	A
Chlordane	ND		ug/kg	13.2	5.23	A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/19/22 23:49
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 08/18/22 21:50
Cleanup Method: EPA 3620B
Cleanup Date: 08/19/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/19/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04,08,10 Batch: WG1677062-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/19/22 12:04
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 00:07

Methylation Date: 08/19/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04,08,10 Batch: WG1677088-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	79		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/20/22 20:35
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 14:02

Methylation Date: 08/20/22 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 13,34-35,45 Batch: WG1677403-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	99		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/20/22 21:56
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16,18,23,26,30,32,54 Batch: WG1677512-1						
Delta-BHC	ND		ug/kg	1.57	0.308	A
Lindane	ND		ug/kg	0.655	0.293	A
Alpha-BHC	ND		ug/kg	0.655	0.186	A
Beta-BHC	ND		ug/kg	1.57	0.596	A
Heptachlor	ND		ug/kg	0.786	0.352	A
Aldrin	ND		ug/kg	1.57	0.553	A
Heptachlor epoxide	ND		ug/kg	2.95	0.884	A
Endrin	ND		ug/kg	0.655	0.268	A
Endrin aldehyde	ND		ug/kg	1.96	0.688	A
Endrin ketone	ND		ug/kg	1.57	0.405	A
Dieldrin	ND		ug/kg	0.982	0.491	A
4,4'-DDE	ND		ug/kg	1.57	0.363	A
4,4'-DDD	ND		ug/kg	1.57	0.560	A
4,4'-DDT	ND		ug/kg	1.57	1.26	A
Endosulfan I	ND		ug/kg	1.57	0.371	A
Endosulfan II	ND		ug/kg	1.57	0.525	A
Endosulfan sulfate	ND		ug/kg	0.655	0.312	A
Methoxychlor	ND		ug/kg	2.95	0.917	A
Toxaphene	ND		ug/kg	29.5	8.25	A
cis-Chlordane	ND		ug/kg	1.96	0.547	A
trans-Chlordane	ND		ug/kg	1.96	0.519	A
Chlordane	ND		ug/kg	13.1	5.21	A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/20/22 21:56
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/20/22 02:17
Cleanup Method: EPA 3620B
Cleanup Date: 08/20/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/20/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 16,18,23,26,30,32,54 Batch: WG1677512-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/22 14:14
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/19/22 08:41

Methylation Date: 08/21/22 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 16,18,26 Batch: WG1677532-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.40	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	99		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/22 15:30
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Methylation Date: 08/21/22 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 23,30,32,40,44,54 Batch: WG1677592-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	92		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/23/22 09:50
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/21/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 40,44 Batch: WG1677748-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.640	0.286	A
Alpha-BHC	ND		ug/kg	0.640	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.582	A
Heptachlor	ND		ug/kg	0.768	0.344	A
Aldrin	ND		ug/kg	1.54	0.541	A
Heptachlor epoxide	ND		ug/kg	2.88	0.864	A
Endrin	ND		ug/kg	0.640	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.672	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.960	0.480	A
4,4'-DDE	ND		ug/kg	1.54	0.355	A
4,4'-DDD	ND		ug/kg	1.54	0.548	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	0.513	A
Endosulfan sulfate	ND		ug/kg	0.640	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.896	A
Toxaphene	ND		ug/kg	28.8	8.07	A
cis-Chlordane	ND		ug/kg	1.92	0.535	A
trans-Chlordane	ND		ug/kg	1.92	0.507	A
Chlordane	ND		ug/kg	12.8	5.09	A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/23/22 09:50
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/21/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/22/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 40,44 Batch: WG1677748-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/22/22 11:29
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 00:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13,34-35 Batch: WG1677957-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/22/22 11:29
Analyst: AKM

Extraction Method: EPA 3510C
Extraction Date: 08/22/22 00:26

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 13,34-35 Batch: WG1677957-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	86		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/23/22 11:27
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 06:20

Methylation Date: 08/22/22 23:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 55 Batch: WG1678004-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	114		30-150	A
DCAA	104		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/26/22 16:19
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/25/22 20:07

Methylation Date: 08/26/22 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 56-57 Batch: WG1679852-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	76		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 09:51
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 55 Batch: WG1679888-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 09:51
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 55 Batch: WG1679888-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/27/22 17:12
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 56-57 Batch: WG1680374-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/27/22 17:12
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 56-57 Batch: WG1680374-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/29/22 03:07
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/27/22 21:30

Methylation Date: 08/28/22 07:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 59 Batch: WG1680484-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	91		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 08:45
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 59 Batch: WG1681329-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 08:45
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/30/22 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 59 Batch: WG1681329-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	69		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 45 Batch: WG1676757-2 WG1676757-3									
Delta-BHC	52		54		30-150	5		20	A
Lindane	64		67		30-150	5		20	A
Alpha-BHC	65		68		30-150	4		20	A
Beta-BHC	64		67		30-150	4		20	A
Heptachlor	64		67		30-150	4		20	A
Aldrin	63		66		30-150	6		20	A
Heptachlor epoxide	64		68		30-150	5		20	A
Endrin	68		71		30-150	5		20	A
Endrin aldehyde	48		54		30-150	11		20	A
Endrin ketone	66		72		30-150	9		20	A
Dieldrin	71		75		30-150	5		20	A
4,4'-DDE	67		71		30-150	6		20	A
4,4'-DDD	77		81		30-150	5		20	A
4,4'-DDT	69		73		30-150	5		20	A
Endosulfan I	64		67		30-150	5		20	A
Endosulfan II	67		71		30-150	5		20	A
Endosulfan sulfate	61		67		30-150	8		20	A
Methoxychlor	64		69		30-150	8		20	A
cis-Chlordane	48		51		30-150	5		20	A
trans-Chlordane	69		75		30-150	7		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 45 Batch: WG1676757-2 WG1676757-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		67		30-150	A
Decachlorobiphenyl	58		63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		64		30-150	B
Decachlorobiphenyl	62		60		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,08,10 Batch: WG1677062-2 WG1677062-3									
Delta-BHC	114		109		30-150	4		30	A
Lindane	110		107		30-150	3		30	A
Alpha-BHC	106		104		30-150	2		30	A
Beta-BHC	103		98		30-150	5		30	A
Heptachlor	115		110		30-150	4		30	A
Aldrin	107		103		30-150	4		30	A
Heptachlor epoxide	86		85		30-150	1		30	A
Endrin	107		108		30-150	1		30	A
Endrin aldehyde	76		72		30-150	5		30	A
Endrin ketone	99		103		30-150	4		30	A
Dieldrin	104		102		30-150	2		30	A
4,4'-DDE	102		103		30-150	1		30	A
4,4'-DDD	115		113		30-150	2		30	A
4,4'-DDT	107		108		30-150	1		30	A
Endosulfan I	98		97		30-150	1		30	A
Endosulfan II	102		102		30-150	0		30	A
Endosulfan sulfate	94		94		30-150	0		30	A
Methoxychlor	102		99		30-150	3		30	A
cis-Chlordane	92		89		30-150	3		30	A
trans-Chlordane	124		122		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04,08,10 Batch: WG1677062-2 WG1677062-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		99		30-150	A
Decachlorobiphenyl	91		90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	100		103		30-150	B
Decachlorobiphenyl	84		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04,08,10 Batch: WG1677088-2 WG1677088-3									
2,4-D	90		82		30-150	9		30	A
2,4,5-T	80		76		30-150	5		30	A
2,4,5-TP (Silvex)	79		75		30-150	5		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	95		91		30-150	A
DCAA	91		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 13,34-35,45 Batch: WG1677403-2 WG1677403-3									
2,4-D	120		112		30-150	7		25	A
2,4,5-T	129		118		30-150	9		25	A
2,4,5-TP (Silvex)	114		107		30-150	6		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	126		118		30-150	A
DCAA	131		123		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 16,18,23,26,30,32,54 Batch: WG1677512-2 WG1677512-3									
Delta-BHC	86		89		30-150	3		30	A
Lindane	80		82		30-150	2		30	A
Alpha-BHC	82		84		30-150	2		30	A
Beta-BHC	89		89		30-150	0		30	A
Heptachlor	80		84		30-150	5		30	A
Aldrin	83		84		30-150	1		30	A
Heptachlor epoxide	72		74		30-150	3		30	A
Endrin	82		84		30-150	2		30	A
Endrin aldehyde	57		56		30-150	2		30	A
Endrin ketone	75		76		30-150	1		30	A
Dieldrin	92		95		30-150	3		30	A
4,4'-DDE	84		86		30-150	2		30	A
4,4'-DDD	85		90		30-150	6		30	A
4,4'-DDT	84		86		30-150	2		30	A
Endosulfan I	80		82		30-150	2		30	A
Endosulfan II	81		84		30-150	4		30	A
Endosulfan sulfate	65		65		30-150	0		30	A
Methoxychlor	80		84		30-150	5		30	A
cis-Chlordane	74		76		30-150	3		30	A
trans-Chlordane	96		99		30-150	3		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 16,18,23,26,30,32,54 Batch: WG1677512-2 WG1677512-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		78		30-150	A
Decachlorobiphenyl	75		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		82		30-150	B
Decachlorobiphenyl	88		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 16,18,26 Batch: WG1677532-2 WG1677532-3									
2,4-D	99		103		30-150	4		30	A
2,4,5-T	106		117		30-150	10		30	A
2,4,5-TP (Silvex)	99		107		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	98		103		30-150	A
DCAA	100		101		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 23,30,32,40,44,54 Batch: WG1677592-2 WG1677592-3									
2,4-D	101		95		30-150	6		30	A
2,4,5-T	93		89		30-150	4		30	A
2,4,5-TP (Silvex)	94		88		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	110		105		30-150	A
DCAA	105		127		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 40,44 Batch: WG1677748-2 WG1677748-3									
Delta-BHC	106		98		30-150	8		30	A
Lindane	93		88		30-150	6		30	A
Alpha-BHC	96		92		30-150	4		30	A
Beta-BHC	92		91		30-150	1		30	A
Heptachlor	93		89		30-150	4		30	A
Aldrin	96		92		30-150	4		30	A
Heptachlor epoxide	84		79		30-150	6		30	A
Endrin	93		89		30-150	4		30	A
Endrin aldehyde	53		49		30-150	8		30	A
Endrin ketone	78		74		30-150	5		30	A
Dieldrin	109		103		30-150	6		30	A
4,4'-DDE	97		94		30-150	3		30	A
4,4'-DDD	103		97		30-150	6		30	A
4,4'-DDT	100		93		30-150	7		30	A
Endosulfan I	93		89		30-150	4		30	A
Endosulfan II	96		90		30-150	6		30	A
Endosulfan sulfate	66		61		30-150	8		30	A
Methoxychlor	88		84		30-150	5		30	A
cis-Chlordane	89		85		30-150	5		30	A
trans-Chlordane	116		110		30-150	5		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 40,44 Batch: WG1677748-2 WG1677748-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		85		30-150	A
Decachlorobiphenyl	83		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		79		30-150	B
Decachlorobiphenyl	77		78		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13,34-35 Batch: WG1677957-2 WG1677957-3									
Delta-BHC	68		64		30-150	6		20	A
Lindane	82		77		30-150	5		20	A
Alpha-BHC	85		82		30-150	3		20	A
Beta-BHC	77		75		30-150	3		20	A
Heptachlor	81		77		30-150	5		20	A
Aldrin	87		82		30-150	6		20	A
Heptachlor epoxide	83		79		30-150	5		20	A
Endrin	83		79		30-150	5		20	A
Endrin aldehyde	72		67		30-150	7		20	A
Endrin ketone	86		80		30-150	7		20	A
Dieldrin	98		94		30-150	4		20	A
4,4'-DDE	90		85		30-150	6		20	A
4,4'-DDD	90		85		30-150	6		20	A
4,4'-DDT	89		83		30-150	7		20	A
Endosulfan I	88		85		30-150	3		20	A
Endosulfan II	87		81		30-150	7		20	A
Endosulfan sulfate	81		75		30-150	9		20	A
Methoxychlor	89		85		30-150	5		20	A
cis-Chlordane	82		77		30-150	6		20	A
trans-Chlordane	105		99		30-150	6		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 13,34-35 Batch: WG1677957-2 WG1677957-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		78		30-150	A
Decachlorobiphenyl	81		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		75		30-150	B
Decachlorobiphenyl	94		86		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1678004-2 WG1678004-3									
2,4-D	121		114		30-150	6		25	A
2,4,5-T	124		117		30-150	6		25	A
2,4,5-TP (Silvex)	110		108		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		109		30-150	A
DCAA	128		118		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 56-57 Batch: WG1679852-2 WG1679852-3									
2,4-D	92		104		30-150	12		25	A
2,4,5-T	104		107		30-150	3		25	A
2,4,5-TP (Silvex)	95		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	87		100		30-150	A
DCAA	86		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1679888-2 WG1679888-3									
Delta-BHC	48		49		30-150	3		20	A
Lindane	81		82		30-150	1		20	A
Alpha-BHC	81		82		30-150	1		20	A
Beta-BHC	77		79		30-150	2		20	A
Heptachlor	80		82		30-150	2		20	A
Aldrin	82		85		30-150	3		20	A
Heptachlor epoxide	78		81		30-150	4		20	A
Endrin	76		78		30-150	3		20	A
Endrin aldehyde	63		68		30-150	6		20	A
Endrin ketone	77		81		30-150	5		20	A
Dieldrin	90		94		30-150	4		20	A
4,4'-DDE	82		84		30-150	3		20	A
4,4'-DDD	82		84		30-150	3		20	A
4,4'-DDT	81		85		30-150	4		20	A
Endosulfan I	80		86		30-150	8		20	A
Endosulfan II	78		83		30-150	5		20	A
Endosulfan sulfate	69		73		30-150	6		20	A
Methoxychlor	80		86		30-150	7		20	A
cis-Chlordane	76		77		30-150	2		20	A
trans-Chlordane	98		102		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1679888-2 WG1679888-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150	A
Decachlorobiphenyl	77		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		78		30-150	B
Decachlorobiphenyl	84		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 56-57 Batch: WG1680374-2 WG1680374-3									
Delta-BHC	38		35		30-150	8		20	A
Lindane	72		70		30-150	3		20	A
Alpha-BHC	75		73		30-150	3		20	A
Beta-BHC	76		71		30-150	6		20	A
Heptachlor	69		66		30-150	5		20	A
Aldrin	70		67		30-150	5		20	A
Heptachlor epoxide	75		71		30-150	6		20	A
Endrin	78		74		30-150	5		20	A
Endrin aldehyde	75		67		30-150	11		20	A
Endrin ketone	84		78		30-150	8		20	A
Dieldrin	82		76		30-150	6		20	A
4,4'-DDE	72		65		30-150	10		20	A
4,4'-DDD	82		76		30-150	8		20	A
4,4'-DDT	80		73		30-150	9		20	A
Endosulfan I	90		75		30-150	19		20	A
Endosulfan II	78		71		30-150	10		20	A
Endosulfan sulfate	66		60		30-150	11		20	A
Methoxychlor	104		96		30-150	8		20	A
cis-Chlordane	70		64		30-150	9		20	A
trans-Chlordane	86		79		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 56-57 Batch: WG1680374-2 WG1680374-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		51		30-150	A
Decachlorobiphenyl	68		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		52		30-150	B
Decachlorobiphenyl	80		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 59 Batch: WG1680484-2 WG1680484-3									
2,4-D	96		95		30-150	1		25	A
2,4,5-T	89		88		30-150	1		25	A
2,4,5-TP (Silvex)	92		91		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		99		30-150	A
DCAA	106		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 59 Batch: WG1681329-2 WG1681329-3									
Delta-BHC	49		36		30-150	**32**	Q	20	A
Lindane	93		68		30-150	**32**	Q	20	A
Alpha-BHC	92		69		30-150	**30**	Q	20	A
Beta-BHC	91		63		30-150	**37**	Q	20	A
Heptachlor	102		73		30-150	**33**	Q	20	A
Aldrin	96		71		30-150	**31**	Q	20	A
Heptachlor epoxide	100		72		30-150	**32**	Q	20	A
Endrin	104		73		30-150	**34**	Q	20	A
Endrin aldehyde	86		62		30-150	**33**	Q	20	A
Endrin ketone	108		76		30-150	**35**	Q	20	A
Dieldrin	101		73		30-150	**32**	Q	20	A
4,4'-DDE	100		72		30-150	**32**	Q	20	A
4,4'-DDD	112		81		30-150	**33**	Q	20	A
4,4'-DDT	115		82		30-150	**34**	Q	20	A
Endosulfan I	99		73		30-150	**31**	Q	20	A
Endosulfan II	103		74		30-150	**33**	Q	20	A
Endosulfan sulfate	98		69		30-150	**35**	Q	20	A
Methoxychlor	107		76		30-150	**34**	Q	20	A
cis-Chlordane	91		68		30-150	**30**	Q	20	A
trans-Chlordane	115		83		30-150	**32**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 59 Batch: WG1681329-2 WG1681329-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		65		30-150	A
Decachlorobiphenyl	90		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		67		30-150	B
Decachlorobiphenyl	73		47		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 16,18,23,26,30,32,54 QC Batch ID: WG1677512-4 WG1677512-5 QC Sample: L2243951-26 Client ID: SB-16 (0-2')													
Delta-BHC	ND	34	36.9	109		37.9	111		30-150	3		50	A
Lindane	ND	34	32.8	97		34.2	100		30-150	4		50	A
Alpha-BHC	ND	34	34.8	102		36.1	105		30-150	4		50	A
Beta-BHC	ND	34	29.3	86		30.1	88		30-150	3		50	A
Heptachlor	ND	34	34.4	101		35.6	104		30-150	3		50	A
Aldrin	ND	34	35.2	104		36.3	106		30-150	3		50	A
Heptachlor epoxide	ND	34	30.5	90		31.1	91		30-150	2		50	A
Endrin	ND	34	35.5	104		36.5	107		30-150	3		50	A
Endrin aldehyde	ND	34	22.3	66		24.8	72		30-150	11		50	A
Endrin ketone	ND	34	36.6	108		38.5	112		30-150	5		50	A
Dieldrin	ND	34	38.0	112		39.0	114		30-150	3		50	A
4,4'-DDE	3.14	34	41.9	114		40.6	109		30-150	3		50	B
4,4'-DDD	ND	34	38.6	114		37.5	110		30-150	3		50	B
4,4'-DDT	2.85	34	39.0	106		39.7	108		30-150	2		50	B
Endosulfan I	ND	34	33.5	99		34.8	102		30-150	4		50	A
Endosulfan II	ND	34	34.6	102		35.9	105		30-150	4		50	A
Endosulfan sulfate	ND	34	25.9	76		27.4	80		30-150	6		50	A
Methoxychlor	ND	34	36.6	108		38.7	113		30-150	6		50	A
cis-Chlordane	ND	34	35.7	105		37.1	108		30-150	4		50	A
trans-Chlordane	ND	34	41.8	123		43.4	127		30-150	4		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 16,18,23,26,30,32,54 QC Batch ID: WG1677512-4 WG1677512-5 QC Sample: L2243951-26 Client ID: SB-16 (0-2')

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		98		30-150	A
Decachlorobiphenyl	119		130		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		94		30-150	B
Decachlorobiphenyl	119		124		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 16,18,26 QC Batch ID: WG1677532-4 WG1677532-5 QC Sample: L2243951-26 Client ID: SB-16 (0-2')													
2,4-D	ND	175	205	117		144J	82		30-150	**35**	Q	30	A
2,4,5-T	ND	175	222	127		183	105		30-150	19		30	A
2,4,5-TP (Silvex)	ND	175	221	126		174J	99		30-150	24		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	122		57		30-150	A
DCAA	115		56		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 56-57 QC Batch ID: WG1679852-4 WG1679852-5 QC Sample: L2243951-56 Client ID: MW-8													
2,4-D	ND	5	4.59J	92		4.11J	82		30-150	11		25	A
2,4,5-T	ND	5	4.55	91		3.88	78		30-150	16		25	A
2,4,5-TP (Silvex)	ND	5	4.42	88		4.13	83		30-150	7		25	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	97		88		30-150	A
DCAA	**568**	Q	**435**	Q	30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680374-4 WG1680374-5 QC Sample: L2243951-56 Client ID: MW-8													
Delta-BHC	ND	0.357	0.135	38		0.122	34		30-150	10		30	B
Lindane	ND	0.357	0.273	76		0.255	71		30-150	7		30	B
Alpha-BHC	ND	0.357	0.265	74		0.251	70		30-150	5		30	B
Beta-BHC	ND	0.357	0.307	86		0.287	80		30-150	7		30	B
Heptachlor	ND	0.357	0.266	74		0.246	69		30-150	8		30	B
Aldrin	ND	0.357	0.281	79		0.259	72		30-150	8		30	B
Heptachlor epoxide	ND	0.357	0.276	77		0.246	69		30-150	11		30	B
Endrin	ND	0.357	0.300	84		0.280	78		30-150	7		30	B
Endrin aldehyde	ND	0.357	0.260	73		0.240	67		30-150	8		30	B
Endrin ketone	ND	0.357	0.314	88		0.288	81		30-150	9		30	B
Dieldrin	ND	0.357	0.322	90		0.294	82		30-150	9		30	B
4,4'-DDE	ND	0.357	0.286	80		0.261	73		30-150	9		30	B
4,4'-DDD	ND	0.357	0.320	90		0.294	82		30-150	8		30	B
4,4'-DDT	ND	0.357	0.317	89		0.279	78		30-150	13		30	B
Endosulfan I	ND	0.357	0.327	92		0.301	84		30-150	8		30	B
Endosulfan II	ND	0.357	0.292	82		0.264	74		30-150	10		30	B
Endosulfan sulfate	ND	0.357	0.259	72		0.241	68		30-150	7		30	B
Methoxychlor	ND	0.357	0.396	111		0.350	98		30-150	12		30	B
cis-Chlordane	ND	0.357	0.279	78		0.258	72		30-150	8		30	B
trans-Chlordane	ND	0.357	0.288	81		0.288	81		30-150	0		30	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

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): 56-57 QC Batch ID: WG1680374-4 WG1680374-5 QC Sample: L2243951-56 Client ID: MW-8												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		54		30-150	A
Decachlorobiphenyl	76		69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		58		30-150	B
Decachlorobiphenyl	86		79		30-150	B

METALS

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02 Date Collected: 08/15/22 12:10

Client ID: SB-09 (0-2') Date Received: 08/15/22

Sample Location: Not Specified 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	5660		mg/kg	8.26	2.23	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.13	0.314	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Arsenic, Total	2.16		mg/kg	0.826	0.172	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Barium, Total	32.0		mg/kg	0.826	0.144	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Beryllium, Total	0.273	J	mg/kg	0.413	0.027	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Cadmium, Total	0.190	J	mg/kg	0.826	0.081	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Calcium, Total	886		mg/kg	8.26	2.89	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Chromium, Total	10.8		mg/kg	0.826	0.079	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Cobalt, Total	5.36		mg/kg	1.65	0.137	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Copper, Total	8.13		mg/kg	0.826	0.213	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Iron, Total	9900		mg/kg	4.13	0.746	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Lead, Total	29.2		mg/kg	4.13	0.221	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Magnesium, Total	1920		mg/kg	8.26	1.27	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Manganese, Total	198		mg/kg	0.826	0.131	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Mercury, Total	0.072		mg/kg	0.069	0.045	1	08/16/22 10:10	08/16/22 13:57	EPA 7471B	1,7471B	DMB
Nickel, Total	9.16		mg/kg	2.07	0.200	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Potassium, Total	584		mg/kg	207	11.9	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.65	0.213	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.826	0.234	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Sodium, Total	57.0	J	mg/kg	165	2.60	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.65	0.260	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Vanadium, Total	15.0		mg/kg	0.826	0.168	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW
Zinc, Total	46.8		mg/kg	4.13	0.242	2	08/16/22 08:35	08/16/22 22:27	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified
Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4220		mg/kg	9.52	2.57	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.76	0.362	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Arsenic, Total	1.64		mg/kg	0.952	0.198	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Barium, Total	18.1		mg/kg	0.952	0.166	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Beryllium, Total	0.210	J	mg/kg	0.476	0.031	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Cadmium, Total	0.105	J	mg/kg	0.952	0.093	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Calcium, Total	323		mg/kg	9.52	3.33	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Chromium, Total	7.82		mg/kg	0.952	0.091	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Cobalt, Total	3.52		mg/kg	1.90	0.158	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Copper, Total	5.21		mg/kg	0.952	0.246	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Iron, Total	7740		mg/kg	4.76	0.860	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Lead, Total	3.42	J	mg/kg	4.76	0.255	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Magnesium, Total	1420		mg/kg	9.52	1.47	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Manganese, Total	248		mg/kg	0.952	0.151	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/16/22 10:10	08/16/22 14:07	EPA 7471B	1,7471B	DMB
Nickel, Total	6.93		mg/kg	2.38	0.230	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Potassium, Total	457		mg/kg	238	13.7	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.90	0.246	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.952	0.270	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Sodium, Total	397		mg/kg	190	3.00	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.90	0.300	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Vanadium, Total	8.50		mg/kg	0.952	0.193	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW
Zinc, Total	14.6		mg/kg	4.76	0.279	2	08/16/22 08:35	08/16/22 22:32	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-06
Client ID: SB-14 (0-2')
Sample Location: Not Specified
Date Collected: 08/15/22 14:30
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8080		mg/kg	8.59	2.32	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.30	0.326	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Arsenic, Total	5.33		mg/kg	0.859	0.179	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Barium, Total	51.2		mg/kg	0.859	0.150	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Beryllium, Total	0.455		mg/kg	0.430	0.028	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Cadmium, Total	0.258	J	mg/kg	0.859	0.084	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Calcium, Total	10600		mg/kg	8.59	3.01	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Chromium, Total	31.5		mg/kg	0.859	0.083	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Cobalt, Total	5.58		mg/kg	1.72	0.143	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Copper, Total	15.8		mg/kg	0.859	0.222	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Iron, Total	14200		mg/kg	4.30	0.776	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Lead, Total	28.2		mg/kg	4.30	0.230	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Magnesium, Total	3960		mg/kg	8.59	1.32	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Manganese, Total	253		mg/kg	0.859	0.137	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Mercury, Total	0.135		mg/kg	0.069	0.045	1	08/16/22 10:10	08/16/22 14:10	EPA 7471B	1,7471B	DMB
Nickel, Total	12.4		mg/kg	2.15	0.208	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Potassium, Total	787		mg/kg	215	12.4	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.859	0.243	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Sodium, Total	151	J	mg/kg	172	2.71	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Vanadium, Total	19.5		mg/kg	0.859	0.174	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW
Zinc, Total	45.3		mg/kg	4.30	0.252	2	08/16/22 08:35	08/16/22 22:37	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified
Date Collected: 08/15/22 14:45
Date Received: 08/15/22
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	3540		mg/kg	8.82	2.38	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.41	0.335	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Arsenic, Total	1.54		mg/kg	0.882	0.183	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Barium, Total	14.7		mg/kg	0.882	0.153	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Beryllium, Total	0.176	J	mg/kg	0.441	0.029	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Cadmium, Total	0.088	J	mg/kg	0.882	0.086	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Calcium, Total	793		mg/kg	8.82	3.09	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Chromium, Total	5.89		mg/kg	0.882	0.085	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Cobalt, Total	3.20		mg/kg	1.76	0.146	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Copper, Total	4.92		mg/kg	0.882	0.228	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Iron, Total	6700		mg/kg	4.41	0.796	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Lead, Total	2.82	J	mg/kg	4.41	0.236	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Magnesium, Total	1450		mg/kg	8.82	1.36	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Manganese, Total	188		mg/kg	0.882	0.140	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.073	0.047	1	08/16/22 10:10	08/16/22 14:13	EPA 7471B	1,7471B	DMB
Nickel, Total	6.36		mg/kg	2.20	0.213	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Potassium, Total	419		mg/kg	220	12.7	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.76	0.228	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.882	0.250	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Sodium, Total	186		mg/kg	176	2.78	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.76	0.278	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Vanadium, Total	7.32		mg/kg	0.882	0.179	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW
Zinc, Total	14.5		mg/kg	4.41	0.258	2	08/16/22 08:35	08/16/22 22:42	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified
Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3290		mg/kg	8.54	2.31	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.27	0.325	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Arsenic, Total	1.73		mg/kg	0.854	0.178	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Barium, Total	13.7		mg/kg	0.854	0.149	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Beryllium, Total	0.154	J	mg/kg	0.427	0.028	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Cadmium, Total	0.102	J	mg/kg	0.854	0.084	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Calcium, Total	400		mg/kg	8.54	2.99	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Chromium, Total	6.24		mg/kg	0.854	0.082	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Cobalt, Total	3.66		mg/kg	1.71	0.142	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Copper, Total	5.13		mg/kg	0.854	0.220	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Iron, Total	7540		mg/kg	4.27	0.772	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Lead, Total	3.37	J	mg/kg	4.27	0.229	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Magnesium, Total	1340		mg/kg	8.54	1.32	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Manganese, Total	226		mg/kg	0.854	0.136	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.070	0.045	1	08/16/22 10:10	08/16/22 14:16	EPA 7471B	1,7471B	DMB
Nickel, Total	7.30		mg/kg	2.14	0.207	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Potassium, Total	374		mg/kg	214	12.3	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.71	0.220	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.854	0.242	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Sodium, Total	158	J	mg/kg	171	2.69	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.71	0.269	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Vanadium, Total	8.78		mg/kg	0.854	0.173	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW
Zinc, Total	15.0		mg/kg	4.27	0.250	2	08/16/22 08:35	08/16/22 22:47	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-12 Date Collected: 08/15/22 14:00

Client ID: WC-02 Date Received: 08/15/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/18/22 05:33

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Barium, TCLP	0.305	J	mg/l	0.500	0.021	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/19/22 09:42	08/19/22 13:44	EPA 7470A	1,7470A	ZK
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/19/22 08:36	08/19/22 14:01	EPA 3015	1,6010D	NB

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-12
Client ID: WC-02
Sample Location: Not Specified
Date Collected: 08/15/22 14:00
Date Received: 08/15/22
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											
Mercury, Total	ND		mg/kg	0.071	0.047	1	08/16/22 10:10	08/16/22 14:20	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified
Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0450		mg/l	0.0100	0.00327	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Antimony, Total	0.00050	J	mg/l	0.00400	0.00042	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Barium, Total	0.1463		mg/l	0.00050	0.00017	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Calcium, Total	74.2		mg/l	0.100	0.0394	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Chromium, Total	0.00162		mg/l	0.00100	0.00017	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00038	J	mg/l	0.00050	0.00016	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Copper, Total	0.00100		mg/l	0.00100	0.00038	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Iron, Total	0.0716		mg/l	0.0500	0.0191	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Magnesium, Total	18.8		mg/l	0.0700	0.0242	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Manganese, Total	0.06319		mg/l	0.00100	0.00044	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/16/22 12:59	08/18/22 23:14	EPA 7470A	1,7470A	DR
Nickel, Total	0.00161	J	mg/l	0.00200	0.00055	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Potassium, Total	6.76		mg/l	0.100	0.0309	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Selenium, Total	0.00251	J	mg/l	0.00500	0.00173	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Sodium, Total	712.		mg/l	0.500	0.146	5	08/16/22 11:34	08/18/22 11:32	EPA 3005A	1,6020B	SV
Thallium, Total	0.00020	J	mg/l	0.00100	0.00014	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/16/22 11:34	08/18/22 10:17	EPA 3005A	1,6020B	SV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00639	J	mg/l	0.0100	0.00327	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00062	J	mg/l	0.00400	0.00042	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	0.00017	J	mg/l	0.00050	0.00016	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.1547		mg/l	0.00050	0.00017	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified
Date Collected: 08/15/22 15:00
Date Received: 08/15/22
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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Calcium, Dissolved	91.2		mg/l	0.100	0.0394	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00153		mg/l	0.00100	0.00017	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00042	J	mg/l	0.00050	0.00016	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Copper, Dissolved	0.00159		mg/l	0.00100	0.00038	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	20.4		mg/l	0.0700	0.0242	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Manganese, Dissolved	0.06239		mg/l	0.00100	0.00044	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/16/22 10:21	08/20/22 15:27	EPA 7470A	1,7470A	DR
Nickel, Dissolved	0.00168	J	mg/l	0.00200	0.00055	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Potassium, Dissolved	7.22		mg/l	0.100	0.0309	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Selenium, Dissolved	0.00193	J	mg/l	0.00500	0.00173	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Sodium, Dissolved	800.		mg/l	0.500	0.146	5	08/16/22 10:05	08/19/22 10:45	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00031	J	mg/l	0.00100	0.00014	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/16/22 10:05	08/19/22 10:35	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified
Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4160		mg/kg	8.16	2.20	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.08	0.310	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Arsenic, Total	3.74		mg/kg	0.816	0.170	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Barium, Total	27.0		mg/kg	0.816	0.142	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Beryllium, Total	0.204	J	mg/kg	0.408	0.027	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Cadmium, Total	0.277	J	mg/kg	0.816	0.080	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Calcium, Total	1400		mg/kg	8.16	2.86	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Chromium, Total	8.22		mg/kg	0.816	0.078	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Cobalt, Total	2.95		mg/kg	1.63	0.135	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Copper, Total	6.95		mg/kg	0.816	0.210	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Iron, Total	7730		mg/kg	4.08	0.737	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Lead, Total	6.16		mg/kg	4.08	0.219	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Magnesium, Total	1050		mg/kg	8.16	1.26	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Manganese, Total	177		mg/kg	0.816	0.130	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Mercury, Total	0.210		mg/kg	0.070	0.045	1	08/18/22 00:00	08/22/22 16:33	EPA 7471B	1,7471B	AW
Nickel, Total	5.20		mg/kg	2.04	0.197	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Potassium, Total	290		mg/kg	204	11.8	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.63	0.210	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.816	0.231	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Sodium, Total	74.0	J	mg/kg	163	2.57	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Vanadium, Total	9.22		mg/kg	0.816	0.166	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW
Zinc, Total	12.4		mg/kg	4.08	0.239	2	08/17/22 22:10	08/23/22 14:00	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified
Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4820		mg/kg	8.48	2.29	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.24	0.322	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Arsenic, Total	2.29		mg/kg	0.848	0.176	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Barium, Total	29.2		mg/kg	0.848	0.148	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Beryllium, Total	0.246	J	mg/kg	0.424	0.028	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Cadmium, Total	0.322	J	mg/kg	0.848	0.083	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Calcium, Total	5600		mg/kg	8.48	2.97	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Chromium, Total	16.4		mg/kg	0.848	0.081	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Cobalt, Total	3.19		mg/kg	1.70	0.141	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Copper, Total	4.94		mg/kg	0.848	0.219	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Iron, Total	8600		mg/kg	4.24	0.766	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Lead, Total	38.4		mg/kg	4.24	0.227	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Magnesium, Total	1290		mg/kg	8.48	1.30	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Manganese, Total	256		mg/kg	0.848	0.135	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/18/22 00:00	08/22/22 16:36	EPA 7471B	1,7471B	AW
Nickel, Total	6.62		mg/kg	2.12	0.205	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Potassium, Total	351		mg/kg	212	12.2	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.70	0.219	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.848	0.240	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Sodium, Total	107	J	mg/kg	170	2.67	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.70	0.267	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Vanadium, Total	11.8		mg/kg	0.848	0.172	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW
Zinc, Total	14.2		mg/kg	4.24	0.248	2	08/17/22 22:10	08/23/22 14:04	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-21 Date Collected: 08/16/22 10:35

Client ID: SB-11 (0-2') Date Received: 08/16/22

Sample Location: Not Specified 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	4550		mg/kg	8.53	2.30	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.26	0.324	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Arsenic, Total	3.90		mg/kg	0.853	0.177	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Barium, Total	63.2		mg/kg	0.853	0.148	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Beryllium, Total	0.196	J	mg/kg	0.426	0.028	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Cadmium, Total	0.205	J	mg/kg	0.853	0.084	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Calcium, Total	44900		mg/kg	8.53	2.98	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Chromium, Total	6.32		mg/kg	0.853	0.082	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Cobalt, Total	2.25		mg/kg	1.70	0.142	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Copper, Total	5.87		mg/kg	0.853	0.220	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Iron, Total	5430		mg/kg	4.26	0.770	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Lead, Total	10.8		mg/kg	4.26	0.228	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Magnesium, Total	1340		mg/kg	8.53	1.31	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Manganese, Total	130		mg/kg	0.853	0.136	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Mercury, Total	0.107		mg/kg	0.084	0.055	1	08/18/22 00:00	08/22/22 16:39	EPA 7471B	1,7471B	AW
Nickel, Total	5.88		mg/kg	2.13	0.206	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Potassium, Total	677		mg/kg	213	12.3	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Selenium, Total	0.358	J	mg/kg	1.70	0.220	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.853	0.241	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Sodium, Total	400		mg/kg	170	2.69	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.70	0.269	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Vanadium, Total	10.5		mg/kg	0.853	0.173	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW
Zinc, Total	15.4		mg/kg	4.26	0.250	2	08/17/22 22:10	08/23/22 14:18	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified
Date Collected: 08/16/22 10:45
Date Received: 08/16/22
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	4880		mg/kg	8.96	2.42	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.48	0.340	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Arsenic, Total	1.29		mg/kg	0.896	0.186	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Barium, Total	23.1		mg/kg	0.896	0.156	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Beryllium, Total	0.251	J	mg/kg	0.448	0.030	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Cadmium, Total	0.314	J	mg/kg	0.896	0.088	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Calcium, Total	1280		mg/kg	8.96	3.14	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Chromium, Total	7.70		mg/kg	0.896	0.086	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Cobalt, Total	3.41		mg/kg	1.79	0.149	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Copper, Total	4.93		mg/kg	0.896	0.231	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Iron, Total	8480		mg/kg	4.48	0.809	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Lead, Total	7.28		mg/kg	4.48	0.240	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Magnesium, Total	1470		mg/kg	8.96	1.38	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Manganese, Total	426		mg/kg	0.896	0.142	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.084	0.055	1	08/18/22 00:00	08/22/22 16:49	EPA 7471B	1,7471B	AW
Nickel, Total	6.45		mg/kg	2.24	0.217	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Potassium, Total	387		mg/kg	224	12.9	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.79	0.231	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.896	0.254	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Sodium, Total	137	J	mg/kg	179	2.82	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.79	0.282	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Vanadium, Total	10.9		mg/kg	0.896	0.182	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW
Zinc, Total	22.3		mg/kg	4.48	0.262	2	08/17/22 22:10	08/23/22 14:23	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified
Date Collected: 08/16/22 12:20
Date Received: 08/16/22
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	5130		mg/kg	8.18	2.21	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.09	0.311	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Arsenic, Total	3.27		mg/kg	0.818	0.170	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Barium, Total	40.1		mg/kg	0.818	0.142	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Beryllium, Total	0.254	J	mg/kg	0.409	0.027	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Cadmium, Total	0.278	J	mg/kg	0.818	0.080	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Calcium, Total	6840		mg/kg	8.18	2.86	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Chromium, Total	8.96		mg/kg	0.818	0.079	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Cobalt, Total	3.42		mg/kg	1.64	0.136	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Copper, Total	10.6		mg/kg	0.818	0.211	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Iron, Total	9220		mg/kg	4.09	0.739	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Lead, Total	27.9		mg/kg	4.09	0.219	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Magnesium, Total	1800		mg/kg	8.18	1.26	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Manganese, Total	316		mg/kg	0.818	0.130	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Mercury, Total	0.080	J	mg/kg	0.083	0.054	1	08/18/22 00:00	08/22/22 16:19	EPA 7471B	1,7471B	AW
Nickel, Total	6.50		mg/kg	2.05	0.198	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Potassium, Total	510		mg/kg	205	11.8	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.64	0.211	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.818	0.232	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Sodium, Total	77.3	J	mg/kg	164	2.58	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.258	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Vanadium, Total	11.4		mg/kg	0.818	0.166	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW
Zinc, Total	46.4		mg/kg	4.09	0.240	2	08/24/22 11:55	08/24/22 14:54	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-28
Client ID: SB-12 (0-2')
Sample Location: Not Specified
Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5080		mg/kg	8.43	2.28	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Arsenic, Total	1.33		mg/kg	0.843	0.175	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Barium, Total	22.9		mg/kg	0.843	0.147	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Beryllium, Total	0.228	J	mg/kg	0.421	0.028	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Cadmium, Total	0.320	J	mg/kg	0.843	0.083	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Calcium, Total	431		mg/kg	8.43	2.95	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Chromium, Total	8.88		mg/kg	0.843	0.081	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Cobalt, Total	3.76		mg/kg	1.68	0.140	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Copper, Total	4.21		mg/kg	0.843	0.217	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Iron, Total	9030		mg/kg	4.21	0.761	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Lead, Total	4.22		mg/kg	4.21	0.226	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Magnesium, Total	1460		mg/kg	8.43	1.30	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Manganese, Total	209		mg/kg	0.843	0.134	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.074	0.048	1	08/18/22 00:00	08/22/22 16:53	EPA 7471B	1,7471B	AW
Nickel, Total	6.14		mg/kg	2.11	0.204	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Potassium, Total	334		mg/kg	211	12.1	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.843	0.238	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Sodium, Total	44.0	J	mg/kg	168	2.66	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.68	0.266	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Vanadium, Total	11.5		mg/kg	0.843	0.171	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW
Zinc, Total	15.6		mg/kg	4.21	0.247	2	08/17/22 22:10	08/23/22 14:27	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30 Date Collected: 08/16/22 14:15

Client ID: SB-12 (3-5') Date Received: 08/16/22

Sample Location: Not Specified 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	3070		mg/kg	9.01	2.43	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.50	0.342	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Arsenic, Total	2.59		mg/kg	0.901	0.187	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Barium, Total	30.6		mg/kg	0.901	0.157	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Beryllium, Total	0.153	J	mg/kg	0.450	0.030	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Cadmium, Total	0.279	J	mg/kg	0.901	0.088	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Calcium, Total	16700		mg/kg	9.01	3.15	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Chromium, Total	11.4		mg/kg	0.901	0.087	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Cobalt, Total	1.78	J	mg/kg	1.80	0.150	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Copper, Total	3.78		mg/kg	0.901	0.232	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Iron, Total	6040		mg/kg	4.50	0.814	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Lead, Total	2.11	J	mg/kg	4.50	0.241	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Magnesium, Total	692		mg/kg	9.01	1.39	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Manganese, Total	71.9		mg/kg	0.901	0.143	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.087	0.057	1	08/18/22 00:00	08/22/22 16:56	EPA 7471B	1,7471B	AW
Nickel, Total	4.30		mg/kg	2.25	0.218	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Potassium, Total	570		mg/kg	225	13.0	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Selenium, Total	0.342	J	mg/kg	1.80	0.232	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.901	0.255	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Sodium, Total	253		mg/kg	180	2.84	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.80	0.284	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Vanadium, Total	8.54		mg/kg	0.901	0.183	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW
Zinc, Total	7.60		mg/kg	4.50	0.264	2	08/17/22 22:10	08/23/22 14:32	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified
Date Collected: 08/16/22 12:30
Date Received: 08/16/22
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	4380		mg/kg	8.65	2.33	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.32	0.328	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Arsenic, Total	1.84		mg/kg	0.865	0.180	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Barium, Total	29.2		mg/kg	0.865	0.150	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Beryllium, Total	0.233	J	mg/kg	0.432	0.029	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Cadmium, Total	0.294	J	mg/kg	0.865	0.085	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Calcium, Total	16100		mg/kg	8.65	3.03	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Chromium, Total	9.94		mg/kg	0.865	0.083	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Cobalt, Total	2.80		mg/kg	1.73	0.144	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Copper, Total	5.40		mg/kg	0.865	0.223	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Iron, Total	7660		mg/kg	4.32	0.781	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Lead, Total	5.29		mg/kg	4.32	0.232	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Magnesium, Total	1810		mg/kg	8.65	1.33	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Manganese, Total	208		mg/kg	0.865	0.137	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.073	0.048	1	08/18/22 00:00	08/22/22 16:59	EPA 7471B	1,7471B	AW
Nickel, Total	7.00		mg/kg	2.16	0.209	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Potassium, Total	584		mg/kg	216	12.4	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.73	0.223	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.865	0.245	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Sodium, Total	154	J	mg/kg	173	2.72	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.73	0.272	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Vanadium, Total	10.9		mg/kg	0.865	0.176	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW
Zinc, Total	14.5		mg/kg	4.32	0.253	2	08/17/22 22:10	08/23/22 14:36	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34 Date Collected: 08/16/22 11:00

Client ID: TMW-10 Date Received: 08/16/22

Sample Location: Not Specified 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	4.28		mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Antimony, Total	0.00079	J	mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Arsenic, Total	0.00247		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Barium, Total	0.07754		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Beryllium, Total	0.00024	J	mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Calcium, Total	100.		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Chromium, Total	0.01021		mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Cobalt, Total	0.00320		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Copper, Total	0.00504		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Iron, Total	5.33		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Lead, Total	0.00468		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Magnesium, Total	15.1		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Manganese, Total	0.4147		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 17:37	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00498		mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Potassium, Total	14.4		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Selenium, Total	0.00413	J	mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Sodium, Total	372.		mg/l	0.100	0.0293	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Thallium, Total	0.00039	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Vanadium, Total	0.00804		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Zinc, Total	0.00773	J	mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 19:15	EPA 3005A	1,6020B	WP
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0156		mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00062	J	mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	0.00039	J	mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.05426		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified
Date Collected: 08/16/22 11:00
Date Received: 08/16/22
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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Calcium, Dissolved	98.4		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00391		mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00097		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Copper, Dissolved	0.00100		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	14.3		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Manganese, Dissolved	0.05122		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 17:00	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00162	J	mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Potassium, Dissolved	13.3		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Selenium, Dissolved	0.00432	J	mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Sodium, Dissolved	427.		mg/l	1.00	0.293	10	08/17/22 13:25	08/21/22 20:56	EPA 3005A	1,6020B	WP
Thallium, Dissolved	0.00025	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 19:35	EPA 3005A	1,6020B	WP

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35 Date Collected: 08/16/22 13:16

Client ID: TMW-11 Date Received: 08/16/22

Sample Location: Not Specified 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	4.62		mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Arsenic, Total	0.00280		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Barium, Total	0.1345		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Beryllium, Total	0.00031	J	mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Cadmium, Total	0.00008	J	mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Calcium, Total	63.7		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Chromium, Total	0.00858		mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Cobalt, Total	0.00475		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Copper, Total	0.01089		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Iron, Total	7.51		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Lead, Total	0.01043		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Magnesium, Total	22.8		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Manganese, Total	3.405		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 17:40	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00867		mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Potassium, Total	3.38		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Sodium, Total	118.		mg/l	0.100	0.0293	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Thallium, Total	0.00019	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Vanadium, Total	0.01079		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Zinc, Total	0.01474		mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 18:26	EPA 3005A	1,6020B	WP
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0176		mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Antimony, Dissolved	0.00043	J	mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Arsenic, Dissolved	0.00072		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Barium, Dissolved	0.07111		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified
Date Collected: 08/16/22 13:16
Date Received: 08/16/22
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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Calcium, Dissolved	59.4		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Chromium, Dissolved	0.00021	J	mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Cobalt, Dissolved	0.00047	J	mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Copper, Dissolved	0.00179		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Magnesium, Dissolved	19.9		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Manganese, Dissolved	2.861		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 17:04	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00123	J	mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Potassium, Dissolved	2.62		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Sodium, Dissolved	140.		mg/l	0.100	0.0293	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Thallium, Dissolved	0.00017	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 19:40	EPA 3005A	1,6020B	WP

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-38
Client ID: SB-13 (0-2')
Sample Location: Not Specified
Date Collected: 08/17/22 09:20
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5470		mg/kg	8.43	2.28	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Antimony, Total	0.455	J	mg/kg	4.21	0.320	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Arsenic, Total	3.46		mg/kg	0.843	0.175	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Barium, Total	50.5		mg/kg	0.843	0.147	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Beryllium, Total	0.286	J	mg/kg	0.421	0.028	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Cadmium, Total	0.573	J	mg/kg	0.843	0.083	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Calcium, Total	3330		mg/kg	8.43	2.95	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Chromium, Total	10.3		mg/kg	0.843	0.081	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Cobalt, Total	4.96		mg/kg	1.68	0.140	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Copper, Total	27.7		mg/kg	0.843	0.217	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Iron, Total	10100		mg/kg	4.21	0.761	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Lead, Total	80.3		mg/kg	4.21	0.226	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Magnesium, Total	2060		mg/kg	8.43	1.30	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Manganese, Total	210		mg/kg	0.843	0.134	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Mercury, Total	0.222		mg/kg	0.070	0.046	1	08/18/22 10:20	08/18/22 22:26	EPA 7471B	1,7471B	ZK
Nickel, Total	9.97		mg/kg	2.11	0.204	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Potassium, Total	662		mg/kg	211	12.1	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.843	0.238	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Sodium, Total	73.9	J	mg/kg	168	2.65	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Vanadium, Total	15.3		mg/kg	0.843	0.171	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL
Zinc, Total	196		mg/kg	4.21	0.247	2	08/18/22 09:15	08/19/22 11:11	EPA 3050B	1,6010D	DL

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified
Date Collected: 08/17/22 09:30
Date Received: 08/17/22
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	6270		mg/kg	8.83	2.38	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.41	0.336	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Arsenic, Total	1.33		mg/kg	0.883	0.184	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Barium, Total	29.9		mg/kg	0.883	0.154	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Beryllium, Total	0.336	J	mg/kg	0.441	0.029	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Cadmium, Total	0.097	J	mg/kg	0.883	0.087	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Calcium, Total	796		mg/kg	8.83	3.09	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Chromium, Total	9.18		mg/kg	0.883	0.085	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Cobalt, Total	3.48		mg/kg	1.76	0.146	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Copper, Total	4.09		mg/kg	0.883	0.228	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Iron, Total	7620		mg/kg	4.41	0.797	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Lead, Total	6.00		mg/kg	4.41	0.237	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Magnesium, Total	1860		mg/kg	8.83	1.36	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Manganese, Total	311		mg/kg	0.883	0.140	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.075	0.049	1	08/18/22 10:20	08/18/22 22:29	EPA 7471B	1,7471B	ZK
Nickel, Total	5.91		mg/kg	2.21	0.214	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Potassium, Total	236		mg/kg	221	12.7	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Selenium, Total	0.247	J	mg/kg	1.76	0.228	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.883	0.250	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Sodium, Total	97.7	J	mg/kg	176	2.78	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.76	0.278	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Vanadium, Total	10.0		mg/kg	0.883	0.179	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL
Zinc, Total	16.8		mg/kg	4.41	0.259	2	08/18/22 09:15	08/19/22 11:16	EPA 3050B	1,6010D	DL

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-42
Client ID: SB-15 (0-2')
Sample Location: Not Specified
Date Collected: 08/17/22 10:35
Date Received: 08/17/22
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	5000		mg/kg	8.37	2.26	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.19	0.318	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Arsenic, Total	1.66		mg/kg	0.837	0.174	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Barium, Total	31.0		mg/kg	0.837	0.146	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Beryllium, Total	0.260	J	mg/kg	0.419	0.028	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Cadmium, Total	0.142	J	mg/kg	0.837	0.082	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Calcium, Total	1370		mg/kg	8.37	2.93	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Chromium, Total	9.19		mg/kg	0.837	0.080	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Cobalt, Total	3.34		mg/kg	1.67	0.139	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Copper, Total	6.48		mg/kg	0.837	0.216	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Iron, Total	8520		mg/kg	4.19	0.756	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Lead, Total	14.1		mg/kg	4.19	0.224	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Magnesium, Total	1380		mg/kg	8.37	1.29	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Manganese, Total	260		mg/kg	0.837	0.133	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Mercury, Total	0.050	J	mg/kg	0.068	0.044	1	08/18/22 10:20	08/18/22 22:33	EPA 7471B	1,7471B	ZK
Nickel, Total	6.48		mg/kg	2.09	0.203	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Potassium, Total	489		mg/kg	209	12.0	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Selenium, Total	0.360	J	mg/kg	1.67	0.216	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.837	0.237	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Sodium, Total	71.5	J	mg/kg	167	2.64	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.67	0.264	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Vanadium, Total	10.8		mg/kg	0.837	0.170	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL
Zinc, Total	23.3		mg/kg	4.19	0.245	2	08/18/22 09:15	08/19/22 11:21	EPA 3050B	1,6010D	DL

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified
Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5160		mg/kg	8.87	2.40	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.44	0.337	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Arsenic, Total	1.27		mg/kg	0.887	0.184	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Barium, Total	21.0		mg/kg	0.887	0.154	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Beryllium, Total	0.275	J	mg/kg	0.444	0.029	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Cadmium, Total	0.098	J	mg/kg	0.887	0.087	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Calcium, Total	518		mg/kg	8.87	3.10	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Chromium, Total	7.68		mg/kg	0.887	0.085	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Cobalt, Total	3.37		mg/kg	1.77	0.147	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Copper, Total	5.25		mg/kg	0.887	0.229	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Iron, Total	8280		mg/kg	4.44	0.801	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Lead, Total	3.54	J	mg/kg	4.44	0.238	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Magnesium, Total	1500		mg/kg	8.87	1.37	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Manganese, Total	241		mg/kg	0.887	0.141	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.074	0.048	1	08/18/22 10:20	08/18/22 22:36	EPA 7471B	1,7471B	ZK
Nickel, Total	6.98		mg/kg	2.22	0.215	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Potassium, Total	584		mg/kg	222	12.8	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Selenium, Total	0.248	J	mg/kg	1.77	0.229	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.887	0.251	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Sodium, Total	81.7	J	mg/kg	177	2.80	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.77	0.280	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Vanadium, Total	10.0		mg/kg	0.887	0.180	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL
Zinc, Total	13.4		mg/kg	4.44	0.260	2	08/18/22 09:15	08/19/22 12:01	EPA 3050B	1,6010D	DL

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45 Date Collected: 08/17/22 11:15

Client ID: SOIL-FIELD BLANK-8/17/22 Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00651	J	mg/l	0.0100	0.00327	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Barium, Total	0.00025	J	mg/l	0.00050	0.00017	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Calcium, Total	0.0568	J	mg/l	0.100	0.0394	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Copper, Total	0.01156		mg/l	0.00100	0.00038	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Iron, Total	0.0221	J	mg/l	0.0500	0.0191	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/18/22 11:00	08/22/22 18:54	EPA 7470A	1,7470A	ZK
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Thallium, Total	0.00024	J	mg/l	0.00100	0.00014	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/18/22 09:29	08/21/22 16:48	EPA 3005A	1,6020B	WP

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-48 Date Collected: 08/17/22 10:55

Client ID: WC-01 Date Received: 08/17/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/21/22 07:35

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Barium, TCLP	0.433	J	mg/l	0.500	0.021	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/23/22 20:55	08/24/22 09:11	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/23/22 21:20	08/24/22 18:16	EPA 3015	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-48
Client ID: WC-01
Sample Location: Not Specified
Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/18/22 10:20	08/18/22 22:46	EPA 7471B	1,7471B	ZK

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-50
Client ID: SB-20 (0-2')
Sample Location: Not Specified
Date Collected: 08/18/22 08:50
Date Received: 08/18/22
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	7060		mg/kg	8.66	2.34	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Antimony, Total	0.390	J	mg/kg	4.33	0.329	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Arsenic, Total	2.68		mg/kg	0.866	0.180	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Barium, Total	55.6		mg/kg	0.866	0.151	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Beryllium, Total	0.286	J	mg/kg	0.433	0.029	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Cadmium, Total	0.658	J	mg/kg	0.866	0.085	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Calcium, Total	6090		mg/kg	8.66	3.03	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Chromium, Total	19.4		mg/kg	0.866	0.083	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Cobalt, Total	6.26		mg/kg	1.73	0.144	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Copper, Total	21.1		mg/kg	0.866	0.224	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Iron, Total	12500		mg/kg	4.33	0.782	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Lead, Total	65.4		mg/kg	4.33	0.232	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Magnesium, Total	3810		mg/kg	43.3	6.67	10	08/19/22 07:55	08/19/22 20:25	EPA 3050B	1,6010D	MC
Manganese, Total	297		mg/kg	0.866	0.138	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Mercury, Total	0.090		mg/kg	0.072	0.047	1	08/19/22 09:20	08/20/22 16:04	EPA 7471B	1,7471B	DR
Nickel, Total	13.8		mg/kg	2.16	0.210	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Potassium, Total	817		mg/kg	216	12.5	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Sodium, Total	439		mg/kg	173	2.73	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Vanadium, Total	21.4		mg/kg	0.866	0.176	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC
Zinc, Total	211		mg/kg	4.33	0.254	2	08/19/22 07:55	08/19/22 16:50	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-52
Client ID: SB-20 (3-6')
Sample Location: Not Specified
Date Collected: 08/18/22 08:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5690		mg/kg	10.6	2.88	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	5.33	0.405	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Arsenic, Total	0.970	J	mg/kg	1.06	0.222	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Barium, Total	29.4		mg/kg	1.06	0.185	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.213	J	mg/kg	0.533	0.035	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Cadmium, Total	0.181	J	mg/kg	1.06	0.104	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Calcium, Total	796		mg/kg	10.6	3.73	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Chromium, Total	11.0		mg/kg	1.06	0.102	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Cobalt, Total	3.91		mg/kg	2.13	0.177	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Copper, Total	5.38		mg/kg	1.06	0.275	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Iron, Total	9320		mg/kg	5.33	0.962	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Lead, Total	4.93	J	mg/kg	5.33	0.286	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Magnesium, Total	1840		mg/kg	53.3	8.20	10	08/19/22 07:55	08/19/22 20:29	EPA 3050B	1,6010D	MC
Manganese, Total	192		mg/kg	1.06	0.169	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.086	0.056	1	08/19/22 09:20	08/20/22 17:20	EPA 7471B	1,7471B	DR
Nickel, Total	6.77		mg/kg	2.66	0.258	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Potassium, Total	450		mg/kg	266	15.3	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	2.13	0.275	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	1.06	0.302	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Sodium, Total	201	J	mg/kg	213	3.36	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.13	0.336	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Vanadium, Total	12.0		mg/kg	1.06	0.216	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC
Zinc, Total	19.9		mg/kg	5.33	0.312	2	08/19/22 07:55	08/19/22 16:54	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified
Date Collected: 08/18/22 09:00
Date Received: 08/18/22
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	5640		mg/kg	8.63	2.33	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Antimony, Total	0.431	J	mg/kg	4.31	0.328	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Arsenic, Total	1.22		mg/kg	0.863	0.179	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Barium, Total	19.1		mg/kg	0.863	0.150	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Beryllium, Total	0.302	J	mg/kg	0.431	0.029	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Cadmium, Total	0.181	J	mg/kg	0.863	0.085	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Calcium, Total	577		mg/kg	8.63	3.02	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Chromium, Total	8.65		mg/kg	0.863	0.083	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Cobalt, Total	3.54		mg/kg	1.72	0.143	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Copper, Total	6.63		mg/kg	0.863	0.222	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Iron, Total	8670		mg/kg	4.31	0.779	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Lead, Total	4.58		mg/kg	4.31	0.231	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Magnesium, Total	2060		mg/kg	43.1	6.64	10	08/19/22 07:55	08/19/22 20:34	EPA 3050B	1,6010D	MC
Manganese, Total	270		mg/kg	0.863	0.137	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.070	0.046	1	08/19/22 09:20	08/20/22 16:47	EPA 7471B	1,7471B	DR
Nickel, Total	7.80		mg/kg	2.16	0.209	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Potassium, Total	547		mg/kg	216	12.4	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.863	0.244	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Sodium, Total	104	J	mg/kg	172	2.72	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.72	0.272	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Vanadium, Total	9.50		mg/kg	0.863	0.175	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC
Zinc, Total	16.1		mg/kg	4.31	0.253	2	08/19/22 07:55	08/19/22 16:59	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55 Date Collected: 08/19/22 12:15

Client ID: LBC-2 Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00759	J	mg/l	0.0100	0.00327	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Antimony, Total	0.00069	J	mg/l	0.00400	0.00042	1	08/22/22 13:54	08/24/22 13:09	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00181		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Barium, Total	0.1444		mg/l	0.00050	0.00017	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Calcium, Total	88.0		mg/l	0.100	0.0394	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00064		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Copper, Total	0.00046	J	mg/l	0.00100	0.00038	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Iron, Total	0.931		mg/l	0.0500	0.0191	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Magnesium, Total	32.4		mg/l	0.0700	0.0242	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Manganese, Total	1.913		mg/l	0.00100	0.00044	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/22/22 14:28	08/23/22 14:35	EPA 7470A	1,7470A	DMB
Nickel, Total	0.00076	J	mg/l	0.00200	0.00055	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Potassium, Total	2.99		mg/l	0.100	0.0309	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Sodium, Total	62.0		mg/l	0.100	0.0293	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/22/22 13:54	08/23/22 12:05	EPA 3005A	1,6020B	SV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00068	J	mg/l	0.00400	0.00042	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	0.00129		mg/l	0.00050	0.00016	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.1372		mg/l	0.00050	0.00017	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified
Date Collected: 08/19/22 12:15
Date Received: 08/19/22
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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Calcium, Dissolved	97.1		mg/l	0.100	0.0394	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00072		mg/l	0.00050	0.00016	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Iron, Dissolved	0.0820		mg/l	0.0500	0.0191	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	34.4		mg/l	0.0700	0.0242	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Manganese, Dissolved	2.092		mg/l	0.00100	0.00044	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/22/22 15:42	08/25/22 09:52	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00078	J	mg/l	0.00200	0.00055	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Potassium, Dissolved	3.18		mg/l	0.100	0.0309	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Sodium, Dissolved	65.8		mg/l	0.100	0.0293	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Thallium, Dissolved	ND		mg/l	0.00100	0.00014	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/22/22 15:28	08/26/22 10:19	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified
Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0446		mg/l	0.0100	0.00327	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Antimony, Total	0.00107	J	mg/l	0.00400	0.00042	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00073		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Barium, Total	0.1612		mg/l	0.00050	0.00017	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Calcium, Total	204.		mg/l	0.100	0.0394	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Chromium, Total	0.00099	J	mg/l	0.00100	0.00017	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00068		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Copper, Total	0.00116		mg/l	0.00100	0.00038	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Iron, Total	0.0480	J	mg/l	0.0500	0.0191	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Lead, Total	0.00059	J	mg/l	0.00100	0.00034	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Magnesium, Total	53.3		mg/l	0.0700	0.0242	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Manganese, Total	0.7281		mg/l	0.00100	0.00044	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 12:54	08/24/22 20:08	EPA 7470A	1,7470A	DR
Nickel, Total	0.00128	J	mg/l	0.00200	0.00055	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Potassium, Total	6.13		mg/l	0.100	0.0309	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Selenium, Total	0.00367	J	mg/l	0.00500	0.00173	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Sodium, Total	340.		mg/l	0.100	0.0293	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Thallium, Total	0.00029	J	mg/l	0.00100	0.00014	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Vanadium, Total	0.00248	J	mg/l	0.00500	0.00157	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/23/22 13:25	08/24/22 12:59	EPA 3005A	1,6020B	SV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0155		mg/l	0.0100	0.00327	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00097	J	mg/l	0.00400	0.00042	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	0.00062		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.1698		mg/l	0.00050	0.00017	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified
Date Collected: 08/22/22 10:00
Date Received: 08/22/22
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
Cadmium, Dissolved	0.00016	J	mg/l	0.00020	0.00005	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Calcium, Dissolved	214.		mg/l	0.100	0.0394	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00058	J	mg/l	0.00100	0.00017	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00073		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Copper, Dissolved	0.00088	J	mg/l	0.00100	0.00038	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Iron, Dissolved	0.0208	J	mg/l	0.0500	0.0191	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Lead, Dissolved	0.00059	J	mg/l	0.00100	0.00034	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	54.1		mg/l	0.0700	0.0242	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Manganese, Dissolved	0.7390		mg/l	0.00100	0.00044	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 18:08	08/24/22 16:25	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00125	J	mg/l	0.00200	0.00055	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Potassium, Dissolved	6.27		mg/l	0.100	0.0309	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Selenium, Dissolved	0.00331	J	mg/l	0.00500	0.00173	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Sodium, Dissolved	358.		mg/l	0.100	0.0293	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00032	J	mg/l	0.00100	0.00014	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	0.00158	J	mg/l	0.00500	0.00157	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/23/22 17:14	08/24/22 20:39	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0302		mg/l	0.0100	0.00327	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Antimony, Total	0.00078	J	mg/l	0.00400	0.00042	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Arsenic, Total	0.00067		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Barium, Total	0.1641		mg/l	0.00050	0.00017	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Cadmium, Total	0.00015	J	mg/l	0.00020	0.00005	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Calcium, Total	206.		mg/l	0.100	0.0394	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Chromium, Total	0.00075	J	mg/l	0.00100	0.00017	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Cobalt, Total	0.00066		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Copper, Total	0.00136		mg/l	0.00100	0.00038	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Iron, Total	0.0264	J	mg/l	0.0500	0.0191	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Lead, Total	0.00061	J	mg/l	0.00100	0.00034	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Magnesium, Total	54.4		mg/l	0.0700	0.0242	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Manganese, Total	0.7324		mg/l	0.00100	0.00044	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 12:54	08/24/22 20:18	EPA 7470A	1,7470A	DR
Nickel, Total	0.00117	J	mg/l	0.00200	0.00055	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Potassium, Total	6.12		mg/l	0.100	0.0309	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Selenium, Total	0.00374	J	mg/l	0.00500	0.00173	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Sodium, Total	338.		mg/l	0.100	0.0293	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Thallium, Total	0.00019	J	mg/l	0.00100	0.00014	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Vanadium, Total	0.00214	J	mg/l	0.00500	0.00157	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/23/22 13:25	08/24/22 13:04	EPA 3005A	1,6020B	SV
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.0202		mg/l	0.0100	0.00327	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00090	J	mg/l	0.00400	0.00042	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	0.00056		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Barium, Dissolved	0.1717		mg/l	0.00050	0.00017	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
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
Cadmium, Dissolved	0.00015	J	mg/l	0.00020	0.00005	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Calcium, Dissolved	216.		mg/l	0.100	0.0394	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Chromium, Dissolved	0.00063	J	mg/l	0.00100	0.00017	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	0.00068		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Copper, Dissolved	0.00096	J	mg/l	0.00100	0.00038	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Iron, Dissolved	0.0351	J	mg/l	0.0500	0.0191	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Lead, Dissolved	0.00071	J	mg/l	0.00100	0.00034	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	54.2		mg/l	0.0700	0.0242	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Manganese, Dissolved	0.7339		mg/l	0.00100	0.00044	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 18:08	08/24/22 16:35	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	0.00126	J	mg/l	0.00200	0.00055	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Potassium, Dissolved	6.16		mg/l	0.100	0.0309	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Selenium, Dissolved	0.00320	J	mg/l	0.00500	0.00173	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Sodium, Dissolved	356.		mg/l	0.100	0.0293	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00021	J	mg/l	0.00100	0.00014	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	0.00176	J	mg/l	0.00500	0.00157	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/23/22 17:14	08/24/22 20:44	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Lab Number: L2243951
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified
Date Collected: 08/24/22 16:00
Date Received: 08/24/22
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	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/25/22 14:11	08/25/22 17:40	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/25/22 13:29	08/29/22 18:23	EPA 3005A	1,6020B	WP
Dissolved Metals - Mansfield Lab											
Aluminum, Dissolved	0.00360	J	mg/l	0.0100	0.00327	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Antimony, Dissolved	0.00081	J	mg/l	0.00400	0.00042	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59 Date Collected: 08/24/22 16:00

Client ID: FIELD BLANK-GW-01 Date Received: 08/24/22

Sample Location: Not Specified 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
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/25/22 12:38	08/25/22 15:45	EPA 7470A	1,7470A	DMB
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Sodium, Dissolved	0.0617	J	mg/l	0.100	0.0293	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Thallium, Dissolved	0.00020	J	mg/l	0.00100	0.00014	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/25/22 12:54	08/26/22 10:45	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10 Batch: WG1675646-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/16/22 08:35	08/16/22 19:40	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Iron, Total	0.468	J	mg/kg	2.00	0.361	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/16/22 08:35	08/16/22 19:40	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/16/22 08:35	08/16/22 17:09	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12 Batch: WG1675649-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/16/22 10:10	08/16/22 12:54	1,7471B	DMB

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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): 13 Batch: WG1675740-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Thallium, Total	0.00021	J	mg/l	0.00100	0.00014	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/16/22 11:34	08/18/22 09:33	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 13 Batch: WG1675743-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/16/22 12:59	08/18/22 22:50	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 13 Batch: WG1675750-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/16/22 10:21	08/20/22 15:21	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 13 Batch: WG1675751-1										
Aluminum, Dissolved	0.00366	J	mg/l	0.0100	0.00327	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Chromium, Dissolved	0.00018	J	mg/l	0.00100	0.00017	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Copper, Dissolved	0.00079	J	mg/l	0.00100	0.00038	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Sodium, Dissolved	0.144		mg/l	0.100	0.0293	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Thallium, Dissolved	0.00022	J	mg/l	0.00100	0.00014	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/16/22 10:05	08/19/22 10:03	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 34-35 Batch: WG1676288-1										
Aluminum, Total	0.00587	J	mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Thallium, Total	0.00018	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 17:53	1,6020B	WP

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 34-35 Batch: WG1676291-1										
Aluminum, Dissolved	0.00369	J	mg/l	0.0100	0.00327	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Sodium, Dissolved	0.0630	J	mg/l	0.100	0.0293	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Thallium, Dissolved	0.00037	J	mg/l	0.00100	0.00014	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/17/22 13:25	08/21/22 17:47	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 16,18,21,23,28,30,32 Batch: WG1676419-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW
Zinc, Total	0.136	J	mg/kg	2.00	0.117	1	08/17/22 22:10	08/23/22 13:23	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 16,18,21,23,26,28,30,32 Batch: WG1676421-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/18/22 00:00	08/22/22 16:13	1,7471B	AW

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

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): 45 Batch: WG1676661-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Thallium, Total	0.00038	J	mg/l	0.00100	0.00014	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/18/22 09:29	08/21/22 16:43	1,6020B	WP

Prep Information

Digestion Method: EPA 3005A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 45 Batch: WG1676662-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/18/22 11:00	08/22/22 18:38	1,7470A	ZK

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): 38,40,42,44 Batch: WG1676713-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Arsenic, Total	0.144	J	mg/kg	0.400	0.083	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Barium, Total	ND		mg/kg	0.400	0.070	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Copper, Total	ND		mg/kg	0.400	0.103	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Iron, Total	ND		mg/kg	2.00	0.361	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Lead, Total	ND		mg/kg	2.00	0.107	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Potassium, Total	ND		mg/kg	100	5.76	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Silver, Total	ND		mg/kg	0.400	0.113	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Sodium, Total	1.44	J	mg/kg	80.0	1.26	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/18/22 09:15	08/19/22 11:00	1,6010D	DL

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

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): 38,40,42,44,48 Batch: WG1676720-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/18/22 10:20	08/18/22 22:06	1,7471B	ZK

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 12 Batch: WG1677119-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/19/22 08:36	08/19/22 11:12	1,6010D	NB
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/19/22 08:36	08/19/22 13:01	1,6010D	NB

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/17/22 18:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 12 Batch: WG1677126-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/19/22 09:42	08/19/22 13:24	1,7470A	ZK

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/17/22 18:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 50,52,54 Batch: WG1677175-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/19/22 09:20	08/20/22 15:38	1,7471B	DR

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): 50,52,54 Batch: WG1677180-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/19/22 07:55	08/19/22 20:52	1,6010D	MC
Manganese, Total	0.076	J	mg/kg	0.400	0.064	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Sodium, Total	2.92	J	mg/kg	80.0	1.26	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC
Zinc, Total	0.200	J	mg/kg	2.00	0.117	1	08/19/22 07:55	08/19/22 16:40	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 55 Batch: WG1677817-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Calcium, Total	0.0917	J	mg/l	0.100	0.0394	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 55 Batch: WG1677818-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/22/22 14:28	08/23/22 14:04	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 55 Batch: WG1678159-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/22/22 15:42	08/25/22 09:45	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 55 Batch: WG1678161-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Antimony, Dissolved	0.00077	J	mg/l	0.00400	0.00042	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Thallium, Dissolved	0.00034	J	mg/l	0.00100	0.00014	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/22/22 15:28	08/26/22 10:40	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 34-35 Batch: WG1678579-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 16:37	1,7470A	DMB

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): 34-35 Batch: WG1678590-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 11:53	08/23/22 17:13	1,7470A	DMB

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): 56-57 Batch: WG1678618-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Barium, Total	ND		mg/l	0.00050	0.00017	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Thallium, Total	0.00014	J	mg/l	0.00100	0.00014	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/23/22 13:25	08/24/22 12:26	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 56-57 Batch: WG1678620-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/23/22 12:54	08/24/22 20:01	1,7470A	DR

Prep Information

Digestion Method: EPA 7470A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 48 Batch: WG1678675-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/23/22 21:20	08/24/22 18:01	1,6010D	MC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 08/19/22 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 48 Batch: WG1678679-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/23/22 20:55	08/24/22 09:05	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/19/22 19:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 56-57 Batch: WG1678711-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Antimony, Dissolved	0.00067	J	mg/l	0.00400	0.00042	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2243951

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Iron, Dissolved	ND		mg/l	0.0500	0.0191	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Nickel, Dissolved	ND		mg/l	0.00200	0.00055	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Sodium, Dissolved	0.0404	J	mg/l	0.100	0.0293	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Thallium, Dissolved	0.00028	J	mg/l	0.00100	0.00014	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/23/22 17:14	08/24/22 20:05	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 56-57 Batch: WG1678712-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/23/22 18:08	08/24/22 16:18	1,7470A	DMB

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): 26 Batch: WG1678916-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW

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Calcium, Total	3.59	J	mg/kg	4.00	1.40	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Chromium, Total	0.180	J	mg/kg	0.400	0.038	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Iron, Total	2.89		mg/kg	2.00	0.361	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Lead, Total	0.300	J	mg/kg	2.00	0.107	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Magnesium, Total	1.51	J	mg/kg	4.00	0.616	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Manganese, Total	0.088	J	mg/kg	0.400	0.064	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Nickel, Total	0.236	J	mg/kg	1.00	0.097	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/24/22 11:55	08/24/22 14:30	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 59 Batch: WG1679568-1										
Aluminum, Dissolved	ND		mg/l	0.0100	0.00327	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Antimony, Dissolved	ND		mg/l	0.00400	0.00042	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Arsenic, Dissolved	ND		mg/l	0.00050	0.00016	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Barium, Dissolved	ND		mg/l	0.00050	0.00017	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Beryllium, Dissolved	ND		mg/l	0.00050	0.00010	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Cadmium, Dissolved	ND		mg/l	0.00020	0.00005	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Calcium, Dissolved	ND		mg/l	0.100	0.0394	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Chromium, Dissolved	ND		mg/l	0.00100	0.00017	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Cobalt, Dissolved	ND		mg/l	0.00050	0.00016	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Copper, Dissolved	ND		mg/l	0.00100	0.00038	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Iron, Dissolved	0.0288	J	mg/l	0.0500	0.0191	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Lead, Dissolved	ND		mg/l	0.00100	0.00034	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Magnesium, Dissolved	ND		mg/l	0.0700	0.0242	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV

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Batch Quality Control

Manganese, Dissolved	ND		mg/l	0.00100	0.00044	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Nickel, Dissolved	0.00149	J	mg/l	0.00200	0.00055	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Potassium, Dissolved	ND		mg/l	0.100	0.0309	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Selenium, Dissolved	ND		mg/l	0.00500	0.00173	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Silver, Dissolved	ND		mg/l	0.00040	0.00016	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Sodium, Dissolved	ND		mg/l	0.100	0.0293	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Thallium, Dissolved	0.00031	J	mg/l	0.00100	0.00014	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Vanadium, Dissolved	ND		mg/l	0.00500	0.00157	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV
Zinc, Dissolved	ND		mg/l	0.01000	0.00341	1	08/25/22 12:54	08/26/22 09:36	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Dissolved Metals - Mansfield Lab for sample(s): 59 Batch: WG1679586-1										
Mercury, Dissolved	ND		mg/l	0.00020	0.00009	1	08/25/22 12:38	08/25/22 15:22	1,7470A	DMB

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): 59 Batch: WG1679596-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP

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Batch Quality Control

Iron, Total	ND		mg/l	0.0500	0.0191	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Thallium, Total	0.00020	J	mg/l	0.00100	0.00014	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/25/22 13:29	08/29/22 18:18	1,6020B	WP

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): 59 Batch: WG1679642-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/25/22 14:11	08/25/22 17:15	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 Batch: WG1675646-2 SRM Lot Number: D113-540								
Aluminum, Total	71		-		51-149	-		
Antimony, Total	153		-		20-250	-		
Arsenic, Total	90		-		70-130	-		
Barium, Total	83		-		75-125	-		
Beryllium, Total	90		-		75-125	-		
Cadmium, Total	88		-		75-125	-		
Calcium, Total	86		-		73-128	-		
Chromium, Total	90		-		70-130	-		
Cobalt, Total	93		-		75-125	-		
Copper, Total	89		-		75-125	-		
Iron, Total	86		-		36-164	-		
Lead, Total	85		-		72-128	-		
Magnesium, Total	85		-		63-138	-		
Manganese, Total	84		-		77-123	-		
Nickel, Total	91		-		70-130	-		
Potassium, Total	85		-		59-141	-		
Selenium, Total	87		-		66-134	-		
Silver, Total	87		-		70-131	-		
Sodium, Total	97		-		35-164	-		
Thallium, Total	90		-		70-130	-		
Vanadium, Total	88		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 Batch: WG1675646-2 SRM Lot Number: D113-540					
Zinc, Total	87	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1675649-2 SRM Lot Number: D113-540					
Mercury, Total	86	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675740-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	91	-	80-120	-	
Arsenic, Total	97	-	80-120	-	
Barium, Total	95	-	80-120	-	
Beryllium, Total	104	-	80-120	-	
Cadmium, Total	99	-	80-120	-	
Calcium, Total	101	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Cobalt, Total	91	-	80-120	-	
Copper, Total	90	-	80-120	-	
Iron, Total	92	-	80-120	-	
Lead, Total	96	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	96	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	104	-	80-120	-	
Selenium, Total	96	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	103	-	80-120	-	
Thallium, Total	98	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675740-2					
Zinc, Total	91	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675743-2					
Mercury, Total	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675750-2					
Mercury, Dissolved	97	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675751-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	82	-	80-120	-	
Arsenic, Dissolved	100	-	80-120	-	
Barium, Dissolved	92	-	80-120	-	
Beryllium, Dissolved	102	-	80-120	-	
Cadmium, Dissolved	93	-	80-120	-	
Calcium, Dissolved	98	-	80-120	-	
Chromium, Dissolved	95	-	80-120	-	
Cobalt, Dissolved	95	-	80-120	-	
Copper, Dissolved	93	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	96	-	80-120	-	
Magnesium, Dissolved	103	-	80-120	-	
Manganese, Dissolved	100	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	105	-	80-120	-	
Selenium, Dissolved	96	-	80-120	-	
Silver, Dissolved	98	-	80-120	-	
Sodium, Dissolved	104	-	80-120	-	
Thallium, Dissolved	98	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 Batch: WG1675751-2					
Zinc, Dissolved	94	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1676288-2					
Aluminum, Total	100	-	80-120	-	
Antimony, Total	90	-	80-120	-	
Arsenic, Total	105	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	103	-	80-120	-	
Calcium, Total	96	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	94	-	80-120	-	
Copper, Total	94	-	80-120	-	
Iron, Total	109	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	102	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	96	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	104	-	80-120	-	
Silver, Total	107	-	80-120	-	
Sodium, Total	103	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	98	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1676288-2					
Zinc, Total	94	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1676291-2					
Aluminum, Dissolved	105	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	101	-	80-120	-	
Barium, Dissolved	100	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	100	-	80-120	-	
Calcium, Dissolved	107	-	80-120	-	
Chromium, Dissolved	104	-	80-120	-	
Cobalt, Dissolved	101	-	80-120	-	
Copper, Dissolved	102	-	80-120	-	
Iron, Dissolved	110	-	80-120	-	
Lead, Dissolved	100	-	80-120	-	
Magnesium, Dissolved	108	-	80-120	-	
Manganese, Dissolved	107	-	80-120	-	
Nickel, Dissolved	102	-	80-120	-	
Potassium, Dissolved	107	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	105	-	80-120	-	
Thallium, Dissolved	104	-	80-120	-	
Vanadium, Dissolved	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1676291-2					
Zinc, Dissolved	99	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,28,30,32 Batch: WG1676419-2 SRM Lot Number: D113-540					
Aluminum, Total	72	-	51-149	-	
Antimony, Total	191	-	20-250	-	
Arsenic, Total	103	-	70-130	-	
Barium, Total	97	-	75-125	-	
Beryllium, Total	93	-	75-125	-	
Cadmium, Total	98	-	75-125	-	
Calcium, Total	99	-	73-128	-	
Chromium, Total	98	-	70-130	-	
Cobalt, Total	101	-	75-125	-	
Copper, Total	98	-	75-125	-	
Iron, Total	96	-	36-164	-	
Lead, Total	98	-	72-128	-	
Magnesium, Total	89	-	63-138	-	
Manganese, Total	95	-	77-123	-	
Nickel, Total	97	-	70-130	-	
Potassium, Total	90	-	59-141	-	
Selenium, Total	98	-	66-134	-	
Silver, Total	100	-	70-131	-	
Sodium, Total	95	-	35-164	-	
Thallium, Total	94	-	70-130	-	
Vanadium, Total	100	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,28,30,32 Batch: WG1676419-2 SRM Lot Number: D113-540					
Zinc, Total	97	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,26,28,30,32 Batch: WG1676421-2 SRM Lot Number: D113-540					
Mercury, Total	98	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 45 Batch: WG1676661-2					
Aluminum, Total	98	-	80-120	-	
Antimony, Total	89	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	99	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	99	-	80-120	-	
Chromium, Total	97	-	80-120	-	
Cobalt, Total	93	-	80-120	-	
Copper, Total	93	-	80-120	-	
Iron, Total	102	-	80-120	-	
Lead, Total	100	-	80-120	-	
Magnesium, Total	108	-	80-120	-	
Manganese, Total	100	-	80-120	-	
Nickel, Total	94	-	80-120	-	
Potassium, Total	100	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	103	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 45 Batch: WG1676661-2					
Zinc, Total	94	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 45 Batch: WG1676662-2					
Mercury, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 Batch: WG1676713-2 SRM Lot Number: D113-540					
Aluminum, Total	66	-	51-149	-	
Antimony, Total	151	-	20-250	-	
Arsenic, Total	96	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	85	-	75-125	-	
Cadmium, Total	89	-	75-125	-	
Calcium, Total	89	-	73-128	-	
Chromium, Total	89	-	70-130	-	
Cobalt, Total	94	-	75-125	-	
Copper, Total	92	-	75-125	-	
Iron, Total	87	-	36-164	-	
Lead, Total	93	-	72-128	-	
Magnesium, Total	78	-	63-138	-	
Manganese, Total	87	-	77-123	-	
Nickel, Total	92	-	70-130	-	
Potassium, Total	76	-	59-141	-	
Selenium, Total	91	-	66-134	-	
Silver, Total	91	-	70-131	-	
Sodium, Total	84	-	35-164	-	
Thallium, Total	90	-	70-130	-	
Vanadium, Total	90	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 Batch: WG1676713-2 SRM Lot Number: D113-540					
Zinc, Total	90	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,48 Batch: WG1676720-2 SRM Lot Number: D113-540					
Mercury, Total	92	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 Batch: WG1677119-2					
Arsenic, TCLP	107	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	103	-	75-125	-	20
Chromium, TCLP	90	-	75-125	-	20
Lead, TCLP	90	-	75-125	-	20
Selenium, TCLP	96	-	75-125	-	20
Silver, TCLP	93	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 Batch: WG1677126-2					
Mercury, TCLP	83	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 Batch: WG1677175-2 SRM Lot Number: D113-540					
Mercury, Total	96	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 Batch: WG1677180-2 SRM Lot Number: D113-540					
Aluminum, Total	66	-	51-149	-	
Antimony, Total	160	-	20-250	-	
Arsenic, Total	91	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	88	-	75-125	-	
Cadmium, Total	84	-	75-125	-	
Calcium, Total	89	-	73-128	-	
Chromium, Total	88	-	70-130	-	
Cobalt, Total	91	-	75-125	-	
Copper, Total	88	-	75-125	-	
Iron, Total	81	-	36-164	-	
Lead, Total	92	-	72-128	-	
Magnesium, Total	81	-	63-138	-	
Manganese, Total	86	-	77-123	-	
Nickel, Total	87	-	70-130	-	
Potassium, Total	81	-	59-141	-	
Selenium, Total	89	-	66-134	-	
Silver, Total	87	-	70-131	-	
Sodium, Total	93	-	35-164	-	
Thallium, Total	88	-	70-130	-	
Vanadium, Total	88	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 Batch: WG1677180-2 SRM Lot Number: D113-540					
Zinc, Total	87	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1677817-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	91	-	80-120	-	
Barium, Total	94	-	80-120	-	
Beryllium, Total	92	-	80-120	-	
Cadmium, Total	93	-	80-120	-	
Calcium, Total	89	-	80-120	-	
Chromium, Total	90	-	80-120	-	
Cobalt, Total	87	-	80-120	-	
Copper, Total	87	-	80-120	-	
Iron, Total	91	-	80-120	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	92	-	80-120	-	
Nickel, Total	89	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	94	-	80-120	-	
Vanadium, Total	90	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1677817-2					
Zinc, Total	89	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1677818-2					
Mercury, Total	104	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678159-2					
Mercury, Dissolved	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678161-2					
Aluminum, Dissolved	96	-	80-120	-	
Antimony, Dissolved	90	-	80-120	-	
Arsenic, Dissolved	90	-	80-120	-	
Barium, Dissolved	98	-	80-120	-	
Beryllium, Dissolved	108	-	80-120	-	
Cadmium, Dissolved	99	-	80-120	-	
Calcium, Dissolved	83	-	80-120	-	
Chromium, Dissolved	92	-	80-120	-	
Cobalt, Dissolved	90	-	80-120	-	
Copper, Dissolved	90	-	80-120	-	
Iron, Dissolved	100	-	80-120	-	
Lead, Dissolved	91	-	80-120	-	
Magnesium, Dissolved	94	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Potassium, Dissolved	93	-	80-120	-	
Selenium, Dissolved	95	-	80-120	-	
Silver, Dissolved	103	-	80-120	-	
Sodium, Dissolved	95	-	80-120	-	
Thallium, Dissolved	94	-	80-120	-	
Vanadium, Dissolved	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678161-2					
Zinc, Dissolved	91	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1678579-2					
Mercury, Dissolved	107	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 34-35 Batch: WG1678590-2					
Mercury, Total	107	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678618-2					
Aluminum, Total	98	-	80-120	-	
Antimony, Total	82	-	80-120	-	
Arsenic, Total	99	-	80-120	-	
Barium, Total	99	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	102	-	80-120	-	
Calcium, Total	94	-	80-120	-	
Chromium, Total	96	-	80-120	-	
Cobalt, Total	93	-	80-120	-	
Copper, Total	93	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	105	-	80-120	-	
Magnesium, Total	108	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	95	-	80-120	-	
Potassium, Total	105	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	105	-	80-120	-	
Sodium, Total	109	-	80-120	-	
Thallium, Total	107	-	80-120	-	
Vanadium, Total	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678618-2					
Zinc, Total	96	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678620-2					
Mercury, Total	102	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 Batch: WG1678675-2					
Arsenic, TCLP	97	-	75-125	-	20
Barium, TCLP	95	-	75-125	-	20
Cadmium, TCLP	93	-	75-125	-	20
Chromium, TCLP	90	-	75-125	-	20
Lead, TCLP	92	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	87	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 Batch: WG1678679-2					
Mercury, TCLP	86	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678711-2					
Aluminum, Dissolved	102	-	80-120	-	
Antimony, Dissolved	87	-	80-120	-	
Arsenic, Dissolved	99	-	80-120	-	
Barium, Dissolved	102	-	80-120	-	
Beryllium, Dissolved	104	-	80-120	-	
Cadmium, Dissolved	103	-	80-120	-	
Calcium, Dissolved	88	-	80-120	-	
Chromium, Dissolved	94	-	80-120	-	
Cobalt, Dissolved	93	-	80-120	-	
Copper, Dissolved	94	-	80-120	-	
Iron, Dissolved	103	-	80-120	-	
Lead, Dissolved	103	-	80-120	-	
Magnesium, Dissolved	111	-	80-120	-	
Manganese, Dissolved	99	-	80-120	-	
Nickel, Dissolved	95	-	80-120	-	
Potassium, Dissolved	109	-	80-120	-	
Selenium, Dissolved	106	-	80-120	-	
Silver, Dissolved	105	-	80-120	-	
Sodium, Dissolved	111	-	80-120	-	
Thallium, Dissolved	103	-	80-120	-	
Vanadium, Dissolved	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678711-2					
Zinc, Dissolved	96	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 Batch: WG1678712-2					
Mercury, Dissolved	86	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 26 Batch: WG1678916-2 SRM Lot Number: D113-540					
Aluminum, Total	64	-	51-149	-	
Antimony, Total	163	-	20-250	-	
Arsenic, Total	90	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	87	-	75-125	-	
Cadmium, Total	85	-	75-125	-	
Calcium, Total	89	-	73-128	-	
Chromium, Total	88	-	70-130	-	
Cobalt, Total	90	-	75-125	-	
Copper, Total	88	-	75-125	-	
Iron, Total	87	-	36-164	-	
Lead, Total	84	-	72-128	-	
Magnesium, Total	80	-	63-138	-	
Manganese, Total	88	-	77-123	-	
Nickel, Total	87	-	70-130	-	
Potassium, Total	81	-	59-141	-	
Selenium, Total	87	-	66-134	-	
Silver, Total	88	-	70-131	-	
Sodium, Total	89	-	35-164	-	
Thallium, Total	85	-	70-130	-	
Vanadium, Total	89	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 26 Batch: WG1678916-2 SRM Lot Number: D113-540					
Zinc, Total	85	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679568-2					
Aluminum, Dissolved	98	-	80-120	-	
Antimony, Dissolved	81	-	80-120	-	
Arsenic, Dissolved	96	-	80-120	-	
Barium, Dissolved	97	-	80-120	-	
Beryllium, Dissolved	106	-	80-120	-	
Cadmium, Dissolved	97	-	80-120	-	
Calcium, Dissolved	92	-	80-120	-	
Chromium, Dissolved	94	-	80-120	-	
Cobalt, Dissolved	92	-	80-120	-	
Copper, Dissolved	90	-	80-120	-	
Iron, Dissolved	97	-	80-120	-	
Lead, Dissolved	99	-	80-120	-	
Magnesium, Dissolved	101	-	80-120	-	
Manganese, Dissolved	97	-	80-120	-	
Nickel, Dissolved	93	-	80-120	-	
Potassium, Dissolved	100	-	80-120	-	
Selenium, Dissolved	98	-	80-120	-	
Silver, Dissolved	100	-	80-120	-	
Sodium, Dissolved	102	-	80-120	-	
Thallium, Dissolved	102	-	80-120	-	
Vanadium, Dissolved	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679568-2					
Zinc, Dissolved	91	-	80-120	-	
Dissolved Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679586-2					
Mercury, Dissolved	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679596-2					
Aluminum, Total	109	-	80-120	-	
Antimony, Total	86	-	80-120	-	
Arsenic, Total	102	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	100	-	80-120	-	
Cadmium, Total	101	-	80-120	-	
Calcium, Total	91	-	80-120	-	
Chromium, Total	98	-	80-120	-	
Cobalt, Total	95	-	80-120	-	
Copper, Total	97	-	80-120	-	
Iron, Total	103	-	80-120	-	
Lead, Total	101	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	101	-	80-120	-	
Nickel, Total	98	-	80-120	-	
Potassium, Total	99	-	80-120	-	
Selenium, Total	101	-	80-120	-	
Silver, Total	104	-	80-120	-	
Sodium, Total	105	-	80-120	-	
Thallium, Total	100	-	80-120	-	
Vanadium, Total	103	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679596-2					
Zinc, Total	95	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 59 Batch: WG1679642-2					
Mercury, Total	97	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1675646-3 QC Sample: L2243893-01 Client ID: MS Sample												
Aluminum, Total	2490	172	2790	**174**	Q	-	-		75-125	-		20
Antimony, Total	1.88J	43	39.2	91		-	-		75-125	-		20
Arsenic, Total	7.08	10.3	16.3	89		-	-		75-125	-		20
Barium, Total	132	172	264	77		-	-		75-125	-		20
Beryllium, Total	0.172J	4.3	4.18	97		-	-		75-125	-		20
Cadmium, Total	1.07	4.55	4.88	84		-	-		75-125	-		20
Calcium, Total	3990	859	4930	**56**	Q	-	-		75-125	-		20
Chromium, Total	8.58	17.2	23.8	88		-	-		75-125	-		20
Cobalt, Total	4.54	43	41.2	85		-	-		75-125	-		20
Copper, Total	158	21.5	96.4	**0**	Q	-	-		75-125	-		20
Iron, Total	9070	85.9	9600	**617**	Q	-	-		75-125	-		20
Lead, Total	212	45.5	210	**0**	Q	-	-		75-125	-		20
Magnesium, Total	1140	859	1780	**59**	Q	-	-		75-125	-		20
Manganese, Total	97.6	43	131	78		-	-		75-125	-		20
Nickel, Total	13.6	43	49.0	82		-	-		75-125	-		20
Potassium, Total	512	859	1360	99		-	-		75-125	-		20
Selenium, Total	0.837J	10.3	9.42	91		-	-		75-125	-		20
Silver, Total	0.854J	25.8	24.9	96		-	-		75-125	-		20
Sodium, Total	1490	859	2100	**71**	Q	-	-		75-125	-		20
Thallium, Total	ND	10.3	8.13	79		-	-		75-125	-		20
Vanadium, Total	15.9	43	52.8	86		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1675646-3 QC Sample: L2243893-01 Client ID: MS Sample										
Zinc, Total	296	43	324	**65**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12 QC Batch ID: WG1675649-3 QC Sample: L2243971-01 Client ID: MS Sample										
Mercury, Total	1.77	1.38	3.02	91		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-3 QC Sample: L2243951-13 Client ID: TMW-09										
Aluminum, Total	0.0450	2	2.07	101		-	-	75-125	-	20
Antimony, Total	0.00050J	0.5	0.4786	96		-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.1238	103		-	-	75-125	-	20
Barium, Total	0.1463	2	2.041	95		-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05152	103		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05398	102		-	-	75-125	-	20
Calcium, Total	74.2	10	88.3	**141**	Q	-	-	75-125	-	20
Chromium, Total	0.00162	0.2	0.1916	95		-	-	75-125	-	20
Cobalt, Total	0.00038J	0.5	0.4580	92		-	-	75-125	-	20
Copper, Total	0.00100	0.25	0.2330	93		-	-	75-125	-	20
Iron, Total	0.0716	1	1.10	103		-	-	75-125	-	20
Lead, Total	ND	0.53	0.5187	98		-	-	75-125	-	20
Magnesium, Total	18.8	10	27.7	89		-	-	75-125	-	20
Manganese, Total	0.06319	0.5	0.5670	101		-	-	75-125	-	20
Nickel, Total	0.00161J	0.5	0.4826	96		-	-	75-125	-	20
Potassium, Total	6.76	10	16.8	100		-	-	75-125	-	20
Selenium, Total	0.00251J	0.12	0.134	112		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05156	103		-	-	75-125	-	20
Sodium, Total	712.	10	725	**130**	Q	-	-	75-125	-	20
Thallium, Total	0.00020J	0.12	0.1174	98		-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.4899	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-3 QC Sample: L2243951-13 Client ID: TMW-09									
Zinc, Total	ND	0.5	0.4842	97	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675743-3 QC Sample: L2243860-02 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00504	101	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675750-3 QC Sample: L2243951-13 Client ID: TMW-09									
Mercury, Dissolved	ND	0.005	0.00486	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-3 QC Sample: L2243951-13 Client ID: TMW-09										
Aluminum, Dissolved	0.00639J	2	2.17	108		-	-	75-125	-	20
Antimony, Dissolved	0.00062J	0.5	0.5265	105		-	-	75-125	-	20
Arsenic, Dissolved	0.00017J	0.12	0.1201	100		-	-	75-125	-	20
Barium, Dissolved	0.1547	2	2.101	97		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05046	101		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.05186	98		-	-	75-125	-	20
Calcium, Dissolved	91.2	10	99.1	79		-	-	75-125	-	20
Chromium, Dissolved	0.00153	0.2	0.1977	98		-	-	75-125	-	20
Cobalt, Dissolved	0.00042J	0.5	0.4874	97		-	-	75-125	-	20
Copper, Dissolved	0.00159	0.25	0.2424	96		-	-	75-125	-	20
Iron, Dissolved	ND	1	1.02	102		-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5225	98		-	-	75-125	-	20
Magnesium, Dissolved	20.4	10	29.9	95		-	-	75-125	-	20
Manganese, Dissolved	0.06239	0.5	0.5714	102		-	-	75-125	-	20
Nickel, Dissolved	0.00168J	0.5	0.4847	97		-	-	75-125	-	20
Potassium, Dissolved	7.22	10	17.5	103		-	-	75-125	-	20
Selenium, Dissolved	0.00193J	0.12	0.117	98		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05024	100		-	-	75-125	-	20
Sodium, Dissolved	800.	10	846	**0**	Q	-	-	75-125	-	20
Thallium, Dissolved	0.00031J	0.12	0.1172	98		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5058	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-3 QC Sample: L2243951-13 Client ID: TMW-09									
Zinc, Dissolved	ND	0.5	0.4920	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676288-3 QC Sample: L2243951-34 Client ID: TMW-10										
Aluminum, Total	4.28	2	7.60	**166**	Q	-	-	75-125	-	20
Antimony, Total	0.00079J	0.5	0.5096	102		-	-	75-125	-	20
Arsenic, Total	0.00247	0.12	0.1284	105		-	-	75-125	-	20
Barium, Total	0.07754	2	2.162	104		-	-	75-125	-	20
Beryllium, Total	0.00024J	0.05	0.05424	108		-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05531	104		-	-	75-125	-	20
Calcium, Total	100.	10	108	80		-	-	75-125	-	20
Chromium, Total	0.01021	0.2	0.2055	98		-	-	75-125	-	20
Cobalt, Total	0.00320	0.5	0.4877	97		-	-	75-125	-	20
Copper, Total	0.00504	0.25	0.2444	96		-	-	75-125	-	20
Iron, Total	5.33	1	6.49	116		-	-	75-125	-	20
Lead, Total	0.00468	0.53	0.5516	103		-	-	75-125	-	20
Magnesium, Total	15.1	10	25.9	108		-	-	75-125	-	20
Manganese, Total	0.4147	0.5	0.9444	106		-	-	75-125	-	20
Nickel, Total	0.00498	0.5	0.4921	97		-	-	75-125	-	20
Potassium, Total	14.4	10	23.9	95		-	-	75-125	-	20
Selenium, Total	0.00413J	0.12	0.125	104		-	-	75-125	-	20
Silver, Total	ND	0.05	0.05285	106		-	-	75-125	-	20
Sodium, Total	372.	10	370	**0**	Q	-	-	75-125	-	20
Thallium, Total	0.00039J	0.12	0.1236	103		-	-	75-125	-	20
Vanadium, Total	0.00804	0.5	0.5038	99		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676288-3 QC Sample: L2243951-34 Client ID: TMW-10									
Zinc, Total	0.00773J	0.5	0.4866	97	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-3 QC Sample: L2243951-34 Client ID: TMW-10										
Aluminum, Dissolved	0.0156	2	2.08	103		-	-	75-125	-	20
Antimony, Dissolved	0.00062J	0.5	0.4996	100		-	-	75-125	-	20
Arsenic, Dissolved	0.00039J	0.12	0.1212	101		-	-	75-125	-	20
Barium, Dissolved	0.05426	2	1.963	95		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05082	102		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.05191	98		-	-	75-125	-	20
Calcium, Dissolved	98.4	10	108	96		-	-	75-125	-	20
Chromium, Dissolved	0.00391	0.2	0.2037	100		-	-	75-125	-	20
Cobalt, Dissolved	0.00097	0.5	0.4839	96		-	-	75-125	-	20
Copper, Dissolved	0.00100	0.25	0.2454	98		-	-	75-125	-	20
Iron, Dissolved	ND	1	1.24	124		-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5164	97		-	-	75-125	-	20
Magnesium, Dissolved	14.3	10	24.4	101		-	-	75-125	-	20
Manganese, Dissolved	0.05122	0.5	0.5700	104		-	-	75-125	-	20
Nickel, Dissolved	0.00162J	0.5	0.4803	96		-	-	75-125	-	20
Potassium, Dissolved	13.3	10	23.9	106		-	-	75-125	-	20
Selenium, Dissolved	0.00432J	0.12	0.120	100		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05059	101		-	-	75-125	-	20
Sodium, Dissolved	427.	10	443	**160**	Q	-	-	75-125	-	20
Thallium, Dissolved	0.00025J	0.12	0.1277	106		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.5046	101		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-3 QC Sample: L2243951-34 Client ID: TMW-10									
Zinc, Dissolved	ND	0.5	0.4781	96	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,28,30,32 QC Batch ID: WG1676419-3 WG1676419-4 QC Sample: L2200081-76 Client ID: MS Sample												
Aluminum, Total	3840	159	4440	**378**	Q	4400	**361**	Q	75-125	1		20
Antimony, Total	ND	39.6	71.8	**181**	Q	74.4	**192**	Q	75-125	4		20
Arsenic, Total	1.46	9.52	10.2	92		10.4	96		75-125	2		20
Barium, Total	27.1	159	304	**174**	Q	316	**186**	Q	75-125	4		20
Beryllium, Total	0.227J	3.96	7.25	**183**	Q	7.60	**196**	Q	75-125	5		20
Cadmium, Total	0.393J	4.2	7.56	**180**	Q	7.56	**184**	Q	75-125	0		20
Calcium, Total	3690	793	4150	**58**	Q	7570	**500**	Q	75-125	**58**	Q	20
Chromium, Total	7.55	15.9	34.5	**170**	Q	35.9	**183**	Q	75-125	4		20
Cobalt, Total	3.19	39.6	68.1	**164**	Q	70.4	**173**	Q	75-125	3		20
Copper, Total	8.56	19.8	46.6	**192**	Q	46.2	**194**	Q	75-125	1		20
Iron, Total	9570	79.3	14000	**5590**	Q	9230	**0**	Q	75-125	**41**	Q	20
Lead, Total	17.0	42	52.7	85		48.5	77		75-125	8		20
Magnesium, Total	1480	793	2290	102		2350	112		75-125	3		20
Manganese, Total	244	39.6	340	**242**	Q	380	**351**	Q	75-125	11		20
Nickel, Total	6.38	39.6	70.9	**163**	Q	74.2	**175**	Q	75-125	5		20
Potassium, Total	538	793	1240	88		1340	103		75-125	8		20
Selenium, Total	ND	9.52	8.33	88		8.43	91		75-125	1		20
Silver, Total	ND	23.8	24.2	102		25.2	108		75-125	4		20
Sodium, Total	120J	793	874	110		956	123		75-125	9		20
Thallium, Total	ND	9.52	6.83	**72**	Q	6.76	**73**	Q	75-125	1		20
Vanadium, Total	10.1	39.6	79.0	**174**	Q	82.2	**186**	Q	75-125	4		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,28,30,32 QC Batch ID: WG1676419-3 WG1676419-4 QC Sample: L2200081-76 Client ID: MS Sample											
Zinc, Total	26.3	39.6	91.8	**165**	Q	93.6	**174**	Q	75-125	2	20
Total Metals - Mansfield Lab Associated sample(s): 16,18,21,23,26,28,30,32 QC Batch ID: WG1676421-3 WG1676421-4 QC Sample: L2243951-26 Client ID: SB-16 (0-2')											
Mercury, Total	0.080J	1.41	1.35	96		1.62	112		80-120	18	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1676661-3 QC Sample: L2244322-01 Client ID: MS Sample									
Aluminum, Total	0.011	2	2.04	101	-	-	75-125	-	20
Antimony, Total	0.0008J	0.5	0.5187	104	-	-	75-125	-	20
Arsenic, Total	0.00070	0.12	0.1272	105	-	-	75-125	-	20
Barium, Total	0.1516	2	2.208	103	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.05212	104	-	-	75-125	-	20
Cadmium, Total	ND	0.053	0.05582	105	-	-	75-125	-	20
Calcium, Total	41.7	10	51.6	99	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.1984	99	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.4772	95	-	-	75-125	-	20
Copper, Total	0.00345	0.25	0.2415	95	-	-	75-125	-	20
Iron, Total	0.064	1	1.19	113	-	-	75-125	-	20
Lead, Total	ND	0.53	0.5407	102	-	-	75-125	-	20
Magnesium, Total	9.78	10	20.4	106	-	-	75-125	-	20
Manganese, Total	0.0278	0.5	0.5396	102	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.4834	97	-	-	75-125	-	20
Potassium, Total	1.12	10	11.5	104	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.134	112	-	-	75-125	-	20
Silver, Total	ND	0.05	0.05316	106	-	-	75-125	-	20
Sodium, Total	67.1	10	78.2	111	-	-	75-125	-	20
Thallium, Total	0.0003J	0.12	0.1226	102	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.5042	101	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1676661-3 QC Sample: L2244322-01 Client ID: MS Sample									
Zinc, Total	0.01218	0.5	0.4953	97	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1676662-3 QC Sample: L2200081-70 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00502	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 QC Batch ID: WG1676713-3 QC Sample: L2244248-01 Client ID: MS Sample										
Aluminum, Total	4360	162	5330	**598**	Q	-	-	75-125	-	20
Antimony, Total	0.994J	40.6	32.3	80		-	-	75-125	-	20
Arsenic, Total	8.07	9.74	13.7	**58**	Q	-	-	75-125	-	20
Barium, Total	135	162	186	**31**	Q	-	-	75-125	-	20
Beryllium, Total	0.284J	4.06	3.84	95		-	-	75-125	-	20
Cadmium, Total	0.528J	4.3	3.78	88		-	-	75-125	-	20
Calcium, Total	1870	811	4960	**381**	Q	-	-	75-125	-	20
Chromium, Total	6.64	16.2	20.8	87		-	-	75-125	-	20
Cobalt, Total	3.23	40.6	35.1	78		-	-	75-125	-	20
Copper, Total	36.3	20.3	51.0	**72**	Q	-	-	75-125	-	20
Iron, Total	14100	81.1	11900	**0**	Q	-	-	75-125	-	20
Lead, Total	41.9	43	69.7	**65**	Q	-	-	75-125	-	20
Magnesium, Total	1020	811	2480	**180**	Q	-	-	75-125	-	20
Manganese, Total	255	40.6	247	**0**	Q	-	-	75-125	-	20
Nickel, Total	9.31	40.6	40.1	76		-	-	75-125	-	20
Potassium, Total	183J	811	896	110		-	-	75-125	-	20
Selenium, Total	0.229J	9.74	7.68	79		-	-	75-125	-	20
Silver, Total	ND	24.3	21.3	88		-	-	75-125	-	20
Sodium, Total	40.5J	811	760	94		-	-	75-125	-	20
Thallium, Total	ND	9.74	6.94	**71**	Q	-	-	75-125	-	20
Vanadium, Total	14.0	40.6	48.3	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 QC Batch ID: WG1676713-3 QC Sample: L2244248-01 Client ID: MS Sample										
Zinc, Total	163	40.6	135	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,48 QC Batch ID: WG1676720-3 QC Sample: L2244248-01 Client ID: MS Sample										
Mercury, Total	0.068	1.34	1.33	94		-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1677119-3 QC Sample: L2244393-01 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.31	109		-	-	75-125	-	20
Barium, TCLP	0.221J	20	19.9	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.553	104		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.83	92		-	-	75-125	-	20
Lead, TCLP	ND	5.3	4.87	92		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.18	98		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.484	97		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1677126-3 QC Sample: L2244393-01 Client ID: MS Sample										
Mercury, TCLP	ND	0.025	0.0216	86		-	-	80-120	-	20
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677175-3 QC Sample: L2244092-12 Client ID: MS Sample										
Mercury, Total	0.199	1.36	1.58	102		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677180-3 QC Sample: L2244896-01 Client ID: MS Sample										
Aluminum, Total	9030	181	9760	**404**	Q	-	-	75-125	-	20
Antimony, Total	ND	45.2	25.7	**57**	Q	-	-	75-125	-	20
Arsenic, Total	0.844	10.8	7.72	**63**	Q	-	-	75-125	-	20
Barium, Total	87.1	181	218	**72**	Q	-	-	75-125	-	20
Beryllium, Total	0.402	4.52	3.50	**68**	Q	-	-	75-125	-	20
Cadmium, Total	0.398J	4.79	3.25	**68**	Q	-	-	75-125	-	20
Calcium, Total	1590	904	2760	**129**	Q	-	-	75-125	-	20
Chromium, Total	30.4	18.1	37.7	**40**	Q	-	-	75-125	-	20
Cobalt, Total	10.8	45.2	38.7	**62**	Q	-	-	75-125	-	20
Copper, Total	23.3	22.6	45.5	98		-	-	75-125	-	20
Iron, Total	19500	90.4	24100	**5090**	Q	-	-	75-125	-	20
Lead, Total	7.07	47.9	35.0	**58**	Q	-	-	75-125	-	20
Magnesium, Total	4640	904	5250	**67**	Q	-	-	75-125	-	20
Manganese, Total	286	45.2	423	**303**	Q	-	-	75-125	-	20
Nickel, Total	21.4	45.2	50.2	**64**	Q	-	-	75-125	-	20
Potassium, Total	6270	904	7940	**185**	Q	-	-	75-125	-	20
Selenium, Total	ND	10.8	6.31	**58**	Q	-	-	75-125	-	20
Silver, Total	ND	27.1	18.4	**68**	Q	-	-	75-125	-	20
Sodium, Total	167	904	935	85		-	-	75-125	-	20
Thallium, Total	ND	10.8	5.76	**53**	Q	-	-	75-125	-	20
Vanadium, Total	35.2	45.2	64.8	**65**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677180-3 QC Sample: L2244896-01 Client ID: MS Sample										
Zinc, Total	39.9	45.2	69.0	**64**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677817-3 QC Sample: L2245116-01 Client ID: MS Sample										
Aluminum, Total	9.91	2	14.1	**210**	Q	-	-	75-125	-	20
Antimony, Total	0.00100J	0.5	0.4036	81		-	-	75-125	-	20
Arsenic, Total	0.00228	0.12	0.1042	85		-	-	75-125	-	20
Barium, Total	0.1938	2	2.164	98		-	-	75-125	-	20
Beryllium, Total	0.00069	0.05	0.05060	100		-	-	75-125	-	20
Cadmium, Total	0.00029	0.053	0.05247	98		-	-	75-125	-	20
Calcium, Total	212.	10	219	**70**	Q	-	-	75-125	-	20
Chromium, Total	0.03284	0.2	0.2243	96		-	-	75-125	-	20
Cobalt, Total	0.01433	0.5	0.4698	91		-	-	75-125	-	20
Copper, Total	0.06129	0.25	0.2948	93		-	-	75-125	-	20
Iron, Total	18.9	1	19.9	100		-	-	75-125	-	20
Lead, Total	0.03690	0.53	0.5464	96		-	-	75-125	-	20
Magnesium, Total	34.7	10	46.2	115		-	-	75-125	-	20
Manganese, Total	1.159	0.5	1.670	102		-	-	75-125	-	20
Nickel, Total	0.05437	0.5	0.5177	93		-	-	75-125	-	20
Potassium, Total	17.8	10	28.2	104		-	-	75-125	-	20
Selenium, Total	0.0104	0.12	0.113	86		-	-	75-125	-	20
Silver, Total	0.00349	0.05	0.05404	101		-	-	75-125	-	20
Sodium, Total	52.8	10	66.0	**132**	Q	-	-	75-125	-	20
Thallium, Total	0.00050J	0.12	0.1153	96		-	-	75-125	-	20
Vanadium, Total	0.03014	0.5	0.5074	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677817-3 QC Sample: L2245116-01 Client ID: MS Sample									
Zinc, Total	0.08383	0.5	0.5590	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677818-3 QC Sample: L2245073-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00499	100	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678159-3 QC Sample: L2243951-55 Client ID: LBC-2									
Mercury, Dissolved	ND	0.005	0.00509	102	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678161-3 QC Sample: L2244976-01 Client ID: MS Sample										
Aluminum, Dissolved	0.304	2	2.34	102		-	-	75-125	-	20
Antimony, Dissolved	0.003J	0.5	0.5036	101		-	-	75-125	-	20
Arsenic, Dissolved	0.0073	0.12	0.1517	120		-	-	75-125	-	20
Barium, Dissolved	0.4169	2	2.372	98		-	-	75-125	-	20
Beryllium, Dissolved	0.0011J	0.05	0.05574	111		-	-	75-125	-	20
Cadmium, Dissolved	ND	0.053	0.05315	100		-	-	75-125	-	20
Calcium, Dissolved	35.3	10	47.6	123		-	-	75-125	-	20
Chromium, Dissolved	0.0058	0.2	0.1982	96		-	-	75-125	-	20
Cobalt, Dissolved	0.0303	0.5	0.4972	93		-	-	75-125	-	20
Copper, Dissolved	ND	0.25	0.2292	92		-	-	75-125	-	20
Iron, Dissolved	15.5	1	16.4	90		-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.6299	119		-	-	75-125	-	20
Magnesium, Dissolved	30.4	10	43.3	**129**	Q	-	-	75-125	-	20
Manganese, Dissolved	0.4196	0.5	0.9110	98		-	-	75-125	-	20
Nickel, Dissolved	0.0751	0.5	0.5570	96		-	-	75-125	-	20
Potassium, Dissolved	146	10	162	**160**	Q	-	-	75-125	-	20
Selenium, Dissolved	ND	0.12	0.139	116		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05125	102		-	-	75-125	-	20
Sodium, Dissolved	505	10	520	**150**	Q	-	-	75-125	-	20
Thallium, Dissolved	ND	0.12	0.1472	123		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4827	96		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678161-3 QC Sample: L2244976-01 Client ID: MS Sample									
Zinc, Dissolved	ND	0.5	0.4662	93	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1678579-3 QC Sample: L2245249-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00524	105	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1678590-3 QC Sample: L2244976-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00496	99	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678618-3 WG1678618-4 QC Sample: L2243951-56 Client ID: MW-8											
Aluminum, Total	0.0446	2	2.15	105		2.13	104		75-125	1	20
Antimony, Total	0.00107J	0.5	0.5295	106		0.4762	95		75-125	11	20
Arsenic, Total	0.00073	0.12	0.1253	104		0.1256	104		75-125	0	20
Barium, Total	0.1612	2	2.218	103		2.294	107		75-125	3	20
Beryllium, Total	ND	0.05	0.05341	107		0.05156	103		75-125	4	20
Cadmium, Total	0.00015J	0.053	0.05488	104		0.05540	104		75-125	1	20
Calcium, Total	204.	10	228	**240**	Q	227	**230**	Q	75-125	0	20
Chromium, Total	0.00099J	0.2	0.1991	100		0.1977	99		75-125	1	20
Cobalt, Total	0.00068	0.5	0.4822	96		0.4867	97		75-125	1	20
Copper, Total	0.00116	0.25	0.2469	98		0.2506	100		75-125	1	20
Iron, Total	0.0480J	1	1.10	110		1.06	106		75-125	4	20
Lead, Total	0.00059J	0.53	0.5639	106		0.5608	106		75-125	1	20
Magnesium, Total	53.3	10	69.4	**161**	Q	69.2	**159**	Q	75-125	0	20
Manganese, Total	0.7281	0.5	1.273	109		1.281	110		75-125	1	20
Nickel, Total	0.00128J	0.5	0.4834	97		0.4909	98		75-125	2	20
Potassium, Total	6.13	10	17.2	111		17.5	114		75-125	2	20
Selenium, Total	0.00367J	0.12	0.132	110		0.131	109		75-125	1	20
Silver, Total	ND	0.05	0.05332	107		0.05299	106		75-125	1	20
Sodium, Total	340.	10	363	**230**	Q	368	**280**	Q	75-125	1	20
Thallium, Total	0.00029J	0.12	0.1299	108		0.1312	109		75-125	1	20
Vanadium, Total	0.00248J	0.5	0.4906	98		0.4975	100		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678618-3 WG1678618-4 QC Sample: L2243951-56 Client ID: MW-8									
Zinc, Total	ND	0.5	0.4913	98	0.4861	97	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678620-3 WG1678620-4 QC Sample: L2243951-56 Client ID: MW-8									
Mercury, Total	ND	0.005	0.00509	102	0.00503	101	75-125	1	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678675-3 QC Sample: L2243951-48 Client ID: WC-01									
Arsenic, TCLP	ND	1.2	1.16	97	-	-	75-125	-	20
Barium, TCLP	0.433J	20	20.2	101	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.484	91	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.78	89	-	-	75-125	-	20
Lead, TCLP	ND	5.3	4.82	91	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.08	90	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.429	86	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678679-3 QC Sample: L2243951-48 Client ID: WC-01									
Mercury, TCLP	ND	0.025	0.0215	86	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678711-3 WG1678711-4 QC Sample: L2243951-56 Client ID: MW-8											
Aluminum, Dissolved	0.0155	2	2.00	99		2.03	101		75-125	1	20
Antimony, Dissolved	0.00097J	0.5	0.5543	111		0.5068	101		75-125	9	20
Arsenic, Dissolved	0.00062	0.12	0.1210	100		0.1212	100		75-125	0	20
Barium, Dissolved	0.1698	2	2.154	99		2.135	98		75-125	1	20
Beryllium, Dissolved	ND	0.05	0.04753	95		0.04904	98		75-125	3	20
Cadmium, Dissolved	0.00016J	0.053	0.05212	98		0.05202	98		75-125	0	20
Calcium, Dissolved	214.	10	219	**50**	Q	222	80		75-125	1	20
Chromium, Dissolved	0.00058J	0.2	0.1778	89		0.1804	90		75-125	1	20
Cobalt, Dissolved	0.00073	0.5	0.4426	88		0.4457	89		75-125	1	20
Copper, Dissolved	0.00088J	0.25	0.2200	88		0.2260	90		75-125	3	20
Iron, Dissolved	0.0208J	1	0.990	99		0.936	94		75-125	6	20
Lead, Dissolved	0.00059J	0.53	0.5265	99		0.5331	100		75-125	1	20
Magnesium, Dissolved	54.1	10	66.8	**127**	Q	67.6	**135**	Q	75-125	1	20
Manganese, Dissolved	0.7390	0.5	1.214	95		1.189	90		75-125	2	20
Nickel, Dissolved	0.00125J	0.5	0.4506	90		0.4523	90		75-125	0	20
Potassium, Dissolved	6.27	10	16.9	106		16.9	106		75-125	0	20
Selenium, Dissolved	0.00331J	0.12	0.120	100		0.127	106		75-125	6	20
Silver, Dissolved	ND	0.05	0.05053	101		0.05012	100		75-125	1	20
Sodium, Dissolved	358.	10	338	**0**	Q	348	**0**	Q	75-125	3	20
Thallium, Dissolved	0.00032J	0.12	0.1164	97		0.1189	99		75-125	2	20
Vanadium, Dissolved	0.00158J	0.5	0.4553	91		0.4623	92		75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678711-3 WG1678711-4 QC Sample: L2243951-56 Client ID: MW-8									
Zinc, Dissolved	ND	0.5	0.4523	90	0.4558	91	75-125	1	20
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678712-3 WG1678712-4 QC Sample: L2243951-56 Client ID: MW-8									
Mercury, Dissolved	ND	0.005	0.00448	90	0.00432	86	75-125	4	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 26 QC Batch ID: WG1678916-3 WG1678916-4 QC Sample: L2243951-26 Client ID: SB-16 (0-2')											
Aluminum, Total	5130	164	6030	**549**	Q	5680	**330**	Q	75-125	6	20
Antimony, Total	ND	41	31.2	76		32.0	77		75-125	3	20
Arsenic, Total	3.27	9.84	9.85	**67**	Q	10.4	**71**	Q	75-125	5	20
Barium, Total	40.1	164	174	82		175	81		75-125	1	20
Beryllium, Total	0.254J	4.1	3.53	86		3.67	88		75-125	4	20
Cadmium, Total	0.278J	4.34	3.47	80		3.56	80		75-125	3	20
Calcium, Total	6840	820	9340	**305**	Q	8000	**139**	Q	75-125	15	20
Chromium, Total	8.96	16.4	21.7	78		21.4	**74**	Q	75-125	1	20
Cobalt, Total	3.42	41	32.7	**71**	Q	33.5	**72**	Q	75-125	2	20
Copper, Total	10.6	20.5	26.9	80		26.8	78		75-125	0	20
Iron, Total	9220	82	9010	**0**	Q	9490	**324**	Q	75-125	5	20
Lead, Total	27.9	43.4	62.6	80		60.7	**74**	Q	75-125	3	20
Magnesium, Total	1800	820	2970	**143**	Q	2850	**126**	Q	75-125	4	20
Manganese, Total	316	41	331	**36**	Q	363	113		75-125	9	20
Nickel, Total	6.50	41	36.0	**72**	Q	36.8	**73**	Q	75-125	2	20
Potassium, Total	510	820	1270	93		1250	89		75-125	2	20
Selenium, Total	ND	9.84	7.11	**72**	Q	7.04	**70**	Q	75-125	1	20
Silver, Total	ND	24.6	19.2	78		19.7	79		75-125	3	20
Sodium, Total	77.3J	820	797	97		804	96		75-125	1	20
Thallium, Total	ND	9.84	6.26	**64**	Q	6.66	**66**	Q	75-125	6	20
Vanadium, Total	11.4	41	43.8	79		44.0	78		75-125	0	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 26 QC Batch ID: WG1678916-3 WG1678916-4 QC Sample: L2243951-26 Client ID: SB-16 (0-2')										
Zinc, Total	46.4	41	81.0	84	76.8	**73**	Q	75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679568-3 QC Sample: L2245116-01 Client ID: MS Sample										
Aluminum, Dissolved	0.0151	2	2.07	103		-	-	75-125	-	20
Antimony, Dissolved	0.00127J	0.5	0.5276	106		-	-	75-125	-	20
Arsenic, Dissolved	0.00028J	0.12	0.1215	101		-	-	75-125	-	20
Barium, Dissolved	0.07485	2	2.060	99		-	-	75-125	-	20
Beryllium, Dissolved	ND	0.05	0.05493	110		-	-	75-125	-	20
Cadmium, Dissolved	0.00012J	0.053	0.05365	101		-	-	75-125	-	20
Calcium, Dissolved	231.	10	229	**0**	Q	-	-	75-125	-	20
Chromium, Dissolved	0.00031J	0.2	0.1940	97		-	-	75-125	-	20
Cobalt, Dissolved	0.00144	0.5	0.4713	94		-	-	75-125	-	20
Copper, Dissolved	0.01037	0.25	0.2466	94		-	-	75-125	-	20
Iron, Dissolved	0.0413J	1	1.04	104		-	-	75-125	-	20
Lead, Dissolved	ND	0.53	0.5404	102		-	-	75-125	-	20
Magnesium, Dissolved	31.7	10	41.3	96		-	-	75-125	-	20
Manganese, Dissolved	0.3707	0.5	0.8567	97		-	-	75-125	-	20
Nickel, Dissolved	0.01881	0.5	0.5031	97		-	-	75-125	-	20
Potassium, Dissolved	14.0	10	24.1	101		-	-	75-125	-	20
Selenium, Dissolved	0.0107	0.12	0.134	103		-	-	75-125	-	20
Silver, Dissolved	ND	0.05	0.05026	100		-	-	75-125	-	20
Sodium, Dissolved	56.4	10	67.9	115		-	-	75-125	-	20
Thallium, Dissolved	0.00035J	0.12	0.1271	106		-	-	75-125	-	20
Vanadium, Dissolved	ND	0.5	0.4894	98		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679568-3 QC Sample: L2245116-01 Client ID: MS Sample									
Zinc, Dissolved	0.00386J	0.5	0.4500	90	-	-	75-125	-	20
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679586-3 QC Sample: L2246010-01 Client ID: MS Sample									
Mercury, Dissolved	ND	0.005	0.00488	98	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679596-3 WG1679596-4 QC Sample: L2246020-01 Client ID: MS Sample												
Aluminum, Total	56.2	2	77.8	**1080**	Q	75.0	**940**	Q	75-125	4		20
Antimony, Total	ND	0.5	0.1284	**26**	Q	0.09676	**19**	Q	75-125	**28**	Q	20
Arsenic, Total	0.0251	0.12	0.1196	79		0.1239	82		75-125	4		20
Barium, Total	0.2798	2	2.272	100		2.186	95		75-125	4		20
Beryllium, Total	0.0017	0.05	0.04623	89		0.04947	96		75-125	7		20
Cadmium, Total	ND	0.053	0.05086	96		0.05057	95		75-125	1		20
Calcium, Total	1020	10	1180	**1600**	Q	1140	**1200**	Q	75-125	3		20
Chromium, Total	0.1075	0.2	0.3213	107		0.3129	103		75-125	3		20
Cobalt, Total	0.0687	0.5	0.5424	95		0.5134	89		75-125	5		20
Copper, Total	0.4141	0.25	0.7080	118		0.6758	105		75-125	5		20
Iron, Total	108.	1	143	**3500**	Q	138	**3000**	Q	75-125	4		20
Lead, Total	0.0790	0.53	0.6258	103		0.6077	100		75-125	3		20
Magnesium, Total	452	10	654	**2020**	Q	597	**1450**	Q	75-125	9		20
Manganese, Total	3.516	0.5	4.712	**239**	Q	4.491	**195**	Q	75-125	5		20
Nickel, Total	0.1480	0.5	0.6534	101		0.6183	94		75-125	6		20
Potassium, Total	16.3	10	26.7	104		26.4	101		75-125	1		20
Selenium, Total	0.013	0.12	0.0943	**68**	Q	0.0978	**71**	Q	75-125	4		20
Silver, Total	0.0003J	0.05	0.05151	103		0.04998	100		75-125	3		20
Sodium, Total	214	10	280	**660**	Q	260	**460**	Q	75-125	7		20
Thallium, Total	0.0005J	0.12	0.1039	86		0.1020	85		75-125	2		20
Vanadium, Total	0.0779	0.5	0.5522	95		0.5246	89		75-125	5		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679596-3 WG1679596-4 QC Sample: L2246020-01 Client ID: MS Sample									
Zinc, Total	0.2027	0.5	0.7031	100	0.6737	94	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679642-3 QC Sample: L2245927-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00459	92	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1675646-4 QC Sample: L2243893-01 Client ID: DUP Sample						
Aluminum, Total	2490	2260	mg/kg	10		20
Antimony, Total	1.88J	2.13J	mg/kg	NC		20
Arsenic, Total	7.08	8.21	mg/kg	15		20
Barium, Total	132	127	mg/kg	4		20
Beryllium, Total	0.172J	0.162J	mg/kg	NC		20
Cadmium, Total	1.07	1.00	mg/kg	7		20
Chromium, Total	8.58	7.90	mg/kg	8		20
Cobalt, Total	4.54	4.14	mg/kg	9		20
Copper, Total	158	76.9	mg/kg	**69**	Q	20
Iron, Total	9070	8480	mg/kg	7		20
Lead, Total	212	209	mg/kg	1		20
Manganese, Total	97.6	90.3	mg/kg	8		20
Nickel, Total	13.6	12.0	mg/kg	13		20
Potassium, Total	512	469	mg/kg	9		20
Selenium, Total	0.837J	0.701J	mg/kg	NC		20
Silver, Total	0.854J	0.949	mg/kg	NC		20
Sodium, Total	1490	1160	mg/kg	**25**	Q	20
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	15.9	12.4	mg/kg	**25**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1675646-4 QC Sample: L2243893-01 Client ID: DUP Sample						
Zinc, Total	296	281	mg/kg	5		20
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1675646-4 QC Sample: L2243893-01 Client ID: DUP Sample						
Calcium, Total	3990	4330	mg/kg	8		20
Magnesium, Total	1140	1090	mg/kg	4		20
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12 QC Batch ID: WG1675649-4 QC Sample: L2243971-01 Client ID: DUP Sample						
Mercury, Total	1.77	3.16	mg/kg	**56**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-4 QC Sample: L2243951-13 Client ID: TMW-09					
Aluminum, Total	0.0450	0.0474	mg/l	5	20
Antimony, Total	0.00050J	0.00094J	mg/l	NC	20
Arsenic, Total	ND	0.00023J	mg/l	NC	20
Barium, Total	0.1463	0.1440	mg/l	2	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	74.2	73.2	mg/l	1	20
Chromium, Total	0.00162	0.00166	mg/l	2	20
Cobalt, Total	0.00038J	0.00043J	mg/l	NC	20
Copper, Total	0.00100	0.00102	mg/l	3	20
Iron, Total	0.0716	0.0848	mg/l	17	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	18.8	18.0	mg/l	4	20
Manganese, Total	0.06319	0.06386	mg/l	1	20
Nickel, Total	0.00161J	0.00156J	mg/l	NC	20
Potassium, Total	6.76	6.59	mg/l	3	20
Selenium, Total	0.00251J	0.00256J	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Thallium, Total	0.00020J	0.00057J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-4 QC Sample: L2243951-13 Client ID: TMW-09					
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-4 QC Sample: L2243951-13 Client ID: TMW-09					
Sodium, Total	712.	721	mg/l	1	20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675743-4 QC Sample: L2243860-02 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675750-4 QC Sample: L2243951-13 Client ID: TMW-09					
Mercury, Dissolved	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-4 QC Sample: L2243951-13 Client ID: TMW-09					
Aluminum, Dissolved	0.00639J	0.00624J	mg/l	NC	20
Antimony, Dissolved	0.00062J	0.00098J	mg/l	NC	20
Arsenic, Dissolved	0.00017J	0.00018J	mg/l	NC	20
Barium, Dissolved	0.1547	0.1501	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	91.2	91.1	mg/l	0	20
Chromium, Dissolved	0.00153	0.00130	mg/l	17	20
Cobalt, Dissolved	0.00042J	0.00041J	mg/l	NC	20
Copper, Dissolved	0.00159	0.00158	mg/l	1	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	20.4	20.2	mg/l	1	20
Manganese, Dissolved	0.06239	0.06388	mg/l	2	20
Nickel, Dissolved	0.00168J	0.00179J	mg/l	NC	20
Potassium, Dissolved	7.22	7.27	mg/l	1	20
Selenium, Dissolved	0.00193J	0.00235J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	0.00031J	0.00075J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-4 QC Sample: L2243951-13 Client ID: TMW-09					
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-4 QC Sample: L2243951-13 Client ID: TMW-09					
Sodium, Dissolved	800.	799	mg/l	0	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676288-4 QC Sample: L2243951-34 Client ID: TMW-10					
Aluminum, Total	4.28	4.14	mg/l	3	20
Antimony, Total	0.00079J	0.00137J	mg/l	NC	20
Arsenic, Total	0.00247	0.00267	mg/l	8	20
Barium, Total	0.07754	0.07684	mg/l	1	20
Beryllium, Total	0.00024J	0.00021J	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	100.	99.0	mg/l	1	20
Chromium, Total	0.01021	0.01017	mg/l	0	20
Cobalt, Total	0.00320	0.00319	mg/l	1	20
Copper, Total	0.00504	0.00521	mg/l	3	20
Iron, Total	5.33	5.33	mg/l	0	20
Lead, Total	0.00468	0.00478	mg/l	2	20
Magnesium, Total	15.1	14.8	mg/l	2	20
Manganese, Total	0.4147	0.4168	mg/l	1	20
Nickel, Total	0.00498	0.00486	mg/l	3	20
Potassium, Total	14.4	14.1	mg/l	2	20
Selenium, Total	0.00413J	0.00535	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	372.	362	mg/l	3	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676288-4 QC Sample: L2243951-34 Client ID: TMW-10					
Thallium, Total	0.00039J	0.00112	mg/l	NC	20
Vanadium, Total	0.00804	0.00795	mg/l	1	20
Zinc, Total	0.00773J	0.00828J	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-4 QC Sample: L2243951-34 Client ID: TMW-10					
Aluminum, Dissolved	0.0156	0.0174	mg/l	11	20
Antimony, Dissolved	0.00062J	0.00104J	mg/l	NC	20
Arsenic, Dissolved	0.00039J	0.00029J	mg/l	NC	20
Barium, Dissolved	0.05426	0.05253	mg/l	3	20
Beryllium, Dissolved	ND	ND	mg/l	NC	20
Cadmium, Dissolved	ND	ND	mg/l	NC	20
Calcium, Dissolved	98.4	96.2	mg/l	2	20
Chromium, Dissolved	0.00391	0.00371	mg/l	5	20
Cobalt, Dissolved	0.00097	0.00092	mg/l	5	20
Copper, Dissolved	0.00100	0.00101	mg/l	1	20
Iron, Dissolved	ND	ND	mg/l	NC	20
Lead, Dissolved	ND	ND	mg/l	NC	20
Magnesium, Dissolved	14.3	14.0	mg/l	2	20
Manganese, Dissolved	0.05122	0.05434	mg/l	6	20
Nickel, Dissolved	0.00162J	0.00154J	mg/l	NC	20
Potassium, Dissolved	13.3	13.2	mg/l	1	20
Selenium, Dissolved	0.00432J	0.00428J	mg/l	NC	20
Silver, Dissolved	ND	ND	mg/l	NC	20
Thallium, Dissolved	0.00025J	0.00041J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-4 QC Sample: L2243951-34 Client ID: TMW-10					
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-4 QC Sample: L2243951-34 Client ID: TMW-10					
Sodium, Dissolved	427.	421	mg/l	1	20
Total Metals - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1676661-4 QC Sample: L2244322-01 Client ID: DUP Sample					
Arsenic, Total	0.00070	0.00071	mg/l	2	20
Chromium, Total	ND	ND	mg/l	NC	20
Copper, Total	0.00345	0.00365	mg/l	6	20
Lead, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Zinc, Total	0.01218	0.01112	mg/l	9	20
Total Metals - Mansfield Lab Associated sample(s): 45 QC Batch ID: WG1676662-4 QC Sample: L2200081-70 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 QC Batch ID: WG1676713-4 QC Sample: L2244248-01 Client ID: DUP Sample						
Aluminum, Total	4360	4350	mg/kg	0		20
Antimony, Total	0.994J	0.782J	mg/kg	NC		20
Arsenic, Total	8.07	4.80	mg/kg	**51**	Q	20
Barium, Total	135	42.8	mg/kg	**104**	Q	20
Beryllium, Total	0.284J	0.269J	mg/kg	NC		20
Cadmium, Total	0.528J	0.334J	mg/kg	NC		20
Calcium, Total	1870	2270	mg/kg	19		20
Chromium, Total	6.64	5.89	mg/kg	12		20
Cobalt, Total	3.23	3.08	mg/kg	5		20
Copper, Total	36.3	28.9	mg/kg	**23**	Q	20
Iron, Total	14100	10900	mg/kg	**26**	Q	20
Lead, Total	41.9	33.7	mg/kg	**22**	Q	20
Magnesium, Total	1020	1130	mg/kg	10		20
Manganese, Total	255	198	mg/kg	**25**	Q	20
Nickel, Total	9.31	7.89	mg/kg	17		20
Potassium, Total	183J	190J	mg/kg	NC		20
Selenium, Total	0.229J	0.342J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	40.5J	35.9J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 QC Batch ID: WG1676713-4 QC Sample: L2244248-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	14.0	11.3	mg/kg	**21**	Q	20
Zinc, Total	163	98.1	mg/kg	**50**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,48 QC Batch ID: WG1676720-4 QC Sample: L2244248-01 Client ID: DUP Sample						
Mercury, Total	0.068	0.066J	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1677119-4 QC Sample: L2244393-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.221J	0.224J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1677119-4 QC Sample: L2244393-01 Client ID: DUP Sample						
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 12 QC Batch ID: WG1677126-4 QC Sample: L2244393-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677175-4 QC Sample: L2244092-12 Client ID: DUP Sample						
Mercury, Total	0.199	0.149	mg/kg	**29**	Q	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677180-4 QC Sample: L2244896-01 Client ID: DUP Sample					
Nickel, Total	21.4	24.4	mg/kg	13	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677817-4 QC Sample: L2245116-01 Client ID: DUP Sample					
Aluminum, Total	9.91	10.9	mg/l	10	20
Antimony, Total	0.00100J	0.00177J	mg/l	NC	20
Arsenic, Total	0.00228	0.00240	mg/l	5	20
Barium, Total	0.1938	0.2081	mg/l	7	20
Beryllium, Total	0.00069	0.00074	mg/l	7	20
Cadmium, Total	0.00029	0.00028	mg/l	6	20
Calcium, Total	212.	203	mg/l	4	20
Chromium, Total	0.03284	0.03620	mg/l	10	20
Cobalt, Total	0.01433	0.01515	mg/l	6	20
Copper, Total	0.06129	0.06280	mg/l	2	20
Iron, Total	18.9	20.6	mg/l	9	20
Lead, Total	0.03690	0.03824	mg/l	4	20
Magnesium, Total	34.7	34.8	mg/l	0	20
Manganese, Total	1.159	1.143	mg/l	1	20
Nickel, Total	0.05437	0.05764	mg/l	6	20
Potassium, Total	17.8	17.5	mg/l	2	20
Selenium, Total	0.0104	0.0104	mg/l	0	20
Silver, Total	0.00349	0.00408	mg/l	16	20
Sodium, Total	52.8	51.5	mg/l	2	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677817-4 QC Sample: L2245116-01 Client ID: DUP Sample					
Thallium, Total	0.00050J	0.00113	mg/l	NC	20
Vanadium, Total	0.03014	0.03294	mg/l	9	20
Zinc, Total	0.08383	0.08868	mg/l	6	20
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677818-4 QC Sample: L2245073-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678159-4 QC Sample: L2243951-55 Client ID: LBC-2					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678161-4 QC Sample: L2244976-01 Client ID: DUP Sample					
Manganese, Dissolved	0.4196	0.4190	mg/l	0	20
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1678579-4 QC Sample: L2245249-01 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1678590-4 QC Sample: L2244976-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678675-4 QC Sample: L2243951-48 Client ID: WC-01					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.433J	0.422J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	ND	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678679-4 QC Sample: L2243951-48 Client ID: WC-01					
Mercury, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679568-4 QC Sample: L2245116-01 Client ID: DUP Sample						
Aluminum, Dissolved	0.0151	0.370	mg/l	**184**	Q	20
Antimony, Dissolved	0.00127J	0.00416	mg/l	NC		20
Arsenic, Dissolved	0.00028J	0.00040J	mg/l	NC		20
Barium, Dissolved	0.07485	0.07393	mg/l	1		20
Beryllium, Dissolved	ND	ND	mg/l	NC		20
Cadmium, Dissolved	0.00012J	0.00013J	mg/l	NC		20
Calcium, Dissolved	231.	226	mg/l	2		20
Chromium, Dissolved	0.00031J	0.00124	mg/l	NC		20
Cobalt, Dissolved	0.00144	0.00114	mg/l	**23**	Q	20
Copper, Dissolved	0.01037	0.01100	mg/l	6		20
Iron, Dissolved	0.0413J	0.645	mg/l	NC		20
Lead, Dissolved	ND	0.00115	mg/l	NC		20
Magnesium, Dissolved	31.7	31.6	mg/l	0		20
Manganese, Dissolved	0.3707	0.1140	mg/l	**106**	Q	20
Nickel, Dissolved	0.01881	0.01647	mg/l	13		20
Potassium, Dissolved	14.0	14.1	mg/l	1		20
Selenium, Dissolved	0.0107	0.0115	mg/l	7		20
Silver, Dissolved	ND	ND	mg/l	NC		20
Sodium, Dissolved	56.4	56.5	mg/l	0		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679568-4 QC Sample: L2245116-01 Client ID: DUP Sample					
Thallium, Dissolved	0.00035J	0.00136	mg/l	NC	20
Vanadium, Dissolved	ND	ND	mg/l	NC	20
Zinc, Dissolved	0.00386J	ND	mg/l	NC	20
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679586-4 QC Sample: L2246010-01 Client ID: DUP Sample					
Mercury, Dissolved	ND	ND	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679642-4 QC Sample: L2245927-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-6 QC Sample: L2243951-13 Client ID: TMW-09						
Barium, Total	0.1463	0.1447	mg/l	1		20
Calcium, Total	74.2	78.2	mg/l	5		20
Magnesium, Total	18.8	18.3	mg/l	3		20
Manganese, Total	0.06319	0.06522	mg/l	3		20
Potassium, Total	6.76	6.72	mg/l	1		20
Total Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675740-6 QC Sample: L2243951-13 Client ID: TMW-09						
Sodium, Total	712.	697.	mg/l	2		20
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-6 QC Sample: L2243951-13 Client ID: TMW-09						
Barium, Dissolved	0.1547	0.1478	mg/l	4		20
Calcium, Dissolved	91.2	87.4	mg/l	4		20
Magnesium, Dissolved	20.4	18.9	mg/l	7		20
Manganese, Dissolved	0.06239	0.06508	mg/l	4		20
Potassium, Dissolved	7.22	6.85	mg/l	5		20
Dissolved Metals - Mansfield Lab Associated sample(s): 13 QC Batch ID: WG1675751-6 QC Sample: L2243951-13 Client ID: TMW-09						
Sodium, Dissolved	800.	764.	mg/l	5		20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676288-6 QC Sample: L2243951-34 Client ID: TMW-10					
Aluminum, Total	4.28	4.05	mg/l	5	20
Barium, Total	0.07754	0.07872	mg/l	2	20
Calcium, Total	100.	96.1	mg/l	4	20
Iron, Total	5.33	5.70	mg/l	7	20
Magnesium, Total	15.1	14.2	mg/l	6	20
Manganese, Total	0.4147	0.4255	mg/l	3	20
Potassium, Total	14.4	13.1	mg/l	9	20
Sodium, Total	372.	346.	mg/l	7	20
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-6 QC Sample: L2243951-34 Client ID: TMW-10					
Barium, Dissolved	0.05426	0.05291	mg/l	2	20
Calcium, Dissolved	98.4	96.0	mg/l	2	20
Magnesium, Dissolved	14.3	13.7	mg/l	4	20
Manganese, Dissolved	0.05122	0.05424	mg/l	6	20
Potassium, Dissolved	13.3	13.0	mg/l	2	20
Dissolved Metals - Mansfield Lab Associated sample(s): 34-35 QC Batch ID: WG1676291-6 QC Sample: L2243951-34 Client ID: TMW-10					
Sodium, Dissolved	427.	348.	mg/l	19	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44 QC Batch ID: WG1676713-6 QC Sample: L2244248-01 Client ID: DUP Sample						
Aluminum, Total	4360	5610	mg/kg	**29**	Q	20
Barium, Total	135	181	mg/kg	**34**	Q	20
Calcium, Total	1870	2430	mg/kg	**30**	Q	20
Copper, Total	36.3	45.8	mg/kg	**26**	Q	20
Iron, Total	14100	18500	mg/kg	**31**	Q	20
Magnesium, Total	1020	1370	mg/kg	**34**	Q	20
Manganese, Total	255	331	mg/kg	**30**	Q	20
Zinc, Total	163	205	mg/kg	**26**	Q	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1677817-6 QC Sample: L2245116-01 Client ID: DUP Sample					
Aluminum, Total	9.91	9.64	mg/l	3	20
Barium, Total	0.1938	0.1918	mg/l	1	20
Calcium, Total	212.	205.	mg/l	3	20
Chromium, Total	0.03284	0.03277	mg/l	0	20
Cobalt, Total	0.01433	0.01424	mg/l	1	20
Copper, Total	0.06129	0.06032	mg/l	2	20
Iron, Total	18.9	18.5	mg/l	2	20
Lead, Total	0.03690	0.03630	mg/l	2	20
Magnesium, Total	34.7	34.1	mg/l	2	20
Manganese, Total	1.159	1.155	mg/l	0	20
Nickel, Total	0.05437	0.05279	mg/l	3	20
Potassium, Total	17.8	17.3	mg/l	3	20
Sodium, Total	52.8	55.1	mg/l	4	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678618-6 QC Sample: L2243951-56 Client ID: MW-8					
Barium, Total	0.1612	0.1668	mg/l	3	20
Calcium, Total	204.	201.	mg/l	1	20
Magnesium, Total	53.3	53.9	mg/l	1	20
Manganese, Total	0.7281	0.7263	mg/l	0	20
Potassium, Total	6.13	5.76	mg/l	6	20
Sodium, Total	340.	326.	mg/l	4	20
Dissolved Metals - Mansfield Lab Associated sample(s): 56-57 QC Batch ID: WG1678711-6 QC Sample: L2243951-56 Client ID: MW-8					
Barium, Dissolved	0.1698	0.1709	mg/l	1	20
Calcium, Dissolved	214.	211.	mg/l	1	20
Magnesium, Dissolved	54.1	58.7	mg/l	9	20
Manganese, Dissolved	0.7390	0.7397	mg/l	0	20
Potassium, Dissolved	6.27	6.11	mg/l	3	20
Sodium, Dissolved	358.	345.	mg/l	4	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 26 QC Batch ID: WG1678916-6 QC Sample: L2243951-26 Client ID: SB-16 (0-2')						
Aluminum, Total	5130	6120	mg/kg	19		20
Barium, Total	40.1	48.3	mg/kg	20		20
Calcium, Total	6840	8320	mg/kg	**22**	Q	20
Iron, Total	9220	11200	mg/kg	**21**	Q	20
Magnesium, Total	1800	2240	mg/kg	**24**	Q	20
Manganese, Total	316	386	mg/kg	**22**	Q	20
Dissolved Metals - Mansfield Lab Associated sample(s): 59 QC Batch ID: WG1679568-6 QC Sample: L2245116-01 Client ID: DUP Sample						
Barium, Dissolved	0.07485	0.07690	mg/l	3		20
Calcium, Dissolved	231.	226.	mg/l	2		20
Magnesium, Dissolved	31.7	31.2	mg/l	2		20
Manganese, Dissolved	0.3707	0.3664	mg/l	1		20
Potassium, Dissolved	14.0	13.8	mg/l	1		20
Sodium, Dissolved	56.4	58.4	mg/l	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-12
Client ID: WC-02
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/19/22 14:31	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-48
Client ID: WC-01
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/22/22 15:01	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-01
Client ID: SB-09 (2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-02
Client ID: SB-09 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 12:10
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/16/22 11:10	08/17/22 10:25	1,9010C/9012B	JR
Chromium, Hexavalent	0.404	J	mg/kg	0.873	0.175	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-03
Client ID: SB-09 (6')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-04
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/16/22 11:10	08/17/22 10:28	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.971	0.194	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-05
Client ID: SB-14 (1')
Sample Location: Not Specified

Date Collected: 08/15/22 14:30
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.8		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-06
Client ID: SB-14 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 14:30
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/16/22 11:10	08/17/22 10:29	1,9010C/9012B	JR
Chromium, Hexavalent	0.230	J	mg/kg	0.877	0.175	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-07
Client ID: SB-14 (6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-08
Client ID: SB-14 (4-6')
Sample Location: Not Specified

Date Collected: 08/15/22 14:45
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.4		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/16/22 11:10	08/17/22 10:30	1,9010C/9012B	JR
Chromium, Hexavalent	0.370	J	mg/kg	0.926	0.185	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-10
Client ID: DUP-SOIL-8.15.22
Sample Location: Not Specified

Date Collected: 08/15/22 00:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	08/16/22 11:10	08/17/22 10:31	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-11
Client ID: WC-02 (1')
Sample Location: Not Specified

Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-12
Client ID: WC-02
Sample Location: Not Specified

Date Collected: 08/15/22 14:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.8		%	0.100	NA	1	-	08/16/22 07:49	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/16/22 11:10	08/17/22 10:34	1,9010C/9012B	JR
pH (H)	9.1		SU	-	NA	1	-	08/16/22 23:42	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.901	0.180	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/17/22 10:45	08/17/22 13:09	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/17/22 10:45	08/17/22 12:38	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/16/22 18:40	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-13
Client ID: TMW-09
Sample Location: Not Specified

Date Collected: 08/15/22 15:00
Date Received: 08/15/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.005		mg/l	0.005	0.001	1	08/16/22 11:10	08/17/22 09:58	1,9010C/9012B	JR

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-15
Client ID: SB-10 (1')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-16
Client ID: SB-10 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 09:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/17/22 14:30	08/18/22 10:21	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.868	0.174	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-17
Client ID: SB-10 (5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-18
Client ID: SB-10 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 09:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/17/22 14:30	08/18/22 10:22	1,9010C/9012B	JR
Chromium, Hexavalent	0.233	J	mg/kg	0.888	0.178	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-19
Client ID: SB-9 (0-2')
Sample Location: Not Specified

Date Collected: 08/15/22 08:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-20
Client ID: SB-11 (1')
Sample Location: Not Specified

Date Collected: 08/16/22 10:35
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-21
Client ID: SB-11 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 10:35
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/17/22 14:30	08/18/22 10:24	1,9010C/9012B	JR
Chromium, Hexavalent	0.174	J	mg/kg	0.870	0.174	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-22
Client ID: SB-11 (4')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-23
Client ID: SB-11 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 10:45
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.2		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/17/22 14:30	08/18/22 10:27	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.917	0.183	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-25
Client ID: SB-16 (2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-26
Client ID: SB-16 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/17/22 14:30	08/18/22 10:28	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.858	0.172	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-27
Client ID: SB-12 (1')
Sample Location: Not Specified

Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-28
Client ID: SB-12 (0-2')
Sample Location: Not Specified

Date Collected: 08/16/22 14:05
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	08/17/22 14:30	08/18/22 10:31	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.880	0.176	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-29
Client ID: SB-12 (4')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-30
Client ID: SB-12 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 14:15
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/17/22 14:30	08/18/22 10:32	1,9010C/9012B	JR
Chromium, Hexavalent	0.228	J	mg/kg	0.913	0.183	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-31
Client ID: SB-16 (5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-32
Client ID: SB-16 (3-5')
Sample Location: Not Specified

Date Collected: 08/16/22 12:30
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/18/22 04:00	08/18/22 12:07	1,9010C/9012B	JR
Chromium, Hexavalent	0.236	J	mg/kg	0.900	0.180	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-33
Client ID: SB-09 (5-7')
Sample Location: Not Specified

Date Collected: 08/15/22 12:20
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.7		%	0.100	NA	1	-	08/17/22 06:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-34
Client ID: TMW-10
Sample Location: Not Specified

Date Collected: 08/16/22 11:00
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.001	J	mg/l	0.005	0.001	1	08/18/22 14:40	08/19/22 11:24	1,9010C/9012B	JR

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-35
Client ID: TMW-11
Sample Location: Not Specified

Date Collected: 08/16/22 13:16
Date Received: 08/16/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/18/22 14:40	08/19/22 11:25	1,9010C/9012B	JR

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-37
Client ID: SB-13 (1')
Sample Location: Not Specified

Date Collected: 08/17/22 09:20
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-38
Client ID: SB-13 (0-2')
Sample Location: Not Specified

Date Collected: 08/17/22 09:20
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	08/18/22 06:36	121,2540G	RI
Cyanide, Total	0.30	J	mg/kg	1.0	0.21	1	08/18/22 04:00	08/18/22 12:08	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-39
Client ID: SB-13 (4')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-40
Client ID: SB-13 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 09:30
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/18/22 04:00	08/18/22 12:09	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.932	0.186	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-41
Client ID: SB-15 (2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:35
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-42
Client ID: SB-15 (0-2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:35
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	08/18/22 06:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/19/22 05:00	08/19/22 13:27	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.865	0.173	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-43
Client ID: SB-15 (4')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-44
Client ID: SB-15 (3-5')
Sample Location: Not Specified

Date Collected: 08/17/22 10:45
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	08/18/22 07:26	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/18/22 04:00	08/18/22 11:43	1,9010C/9012B	JR
Chromium, Hexavalent	0.239	J	mg/kg	0.910	0.182	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-45
Client ID: SOIL-FIELD BLANK-8/17/22
Sample Location: Not Specified

Date Collected: 08/17/22 11:15
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/18/22 14:40	08/19/22 11:26	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/18/22 07:40	08/18/22 07:56	1,7196A	KP

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-47
Client ID: WC-01 (2')
Sample Location: Not Specified

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	08/18/22 07:58	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-48
Client ID: WC-01
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/17/22 10:55
Date Received: 08/17/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.5		%	0.100	NA	1	-	08/18/22 06:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/18/22 04:00	08/18/22 11:44	1,9010C/9012B	JR
pH (H)	10.2		SU	-	NA	1	-	08/18/22 12:52	1,9045D	KS
Chromium, Hexavalent	ND		mg/kg	0.970	0.194	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/18/22 13:05	08/18/22 15:24	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/18/22 13:05	08/18/22 14:45	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-49
Client ID: SB-20 (1')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-50
Client ID: SB-20 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 08:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/22/22 10:40	08/23/22 08:49	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.897	0.179	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-51
Client ID: SB-20 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 08:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-52
Client ID: SB-20 (3-6')
Sample Location: Not Specified

Date Collected: 08/18/22 08:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.2		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.4	0.29	1	08/22/22 10:40	08/23/22 08:51	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	1.09	0.218	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-53
Client ID: SB-20 (9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-54
Client ID: SB-20 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.1		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 08:52	1,9010C/9012B	CS
Chromium, Hexavalent	0.180	J	mg/kg	0.898	0.180	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-55
Client ID: LBC-2
Sample Location: Not Specified

Sample Depth:
Matrix: Water

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/22/22 01:15	08/22/22 11:08	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/22 10:30	08/20/22 10:55	1,7196A	KA

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-56
Client ID: MW-8
Sample Location: Not Specified

Date Collected: 08/22/22 10:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/23/22 06:15	08/23/22 11:15	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/23/22 07:45	08/23/22 08:12	1,7196A	ES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-57
Client ID: DUP-GW-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/23/22 06:15	08/23/22 11:18	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/23/22 07:45	08/23/22 08:15	1,7196A	ES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2243951-59
Client ID: FIELD BLANK-GW-01
Sample Location: Not Specified

Sample Depth:
Matrix: Water

Date Collected: 08/24/22 16:00
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/22 21:00	08/29/22 09:54	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/25/22 12:15	08/25/22 13:03	1,7196A	ES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04,06,08,10,12 Batch: WG1675709-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	08/16/22 11:10	08/17/22 10:01	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 13 Batch: WG1675713-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/16/22 11:10	08/17/22 09:48	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG1676252-4										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/17/22 10:45	08/17/22 12:37	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 12 Batch: WG1676255-4										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/17/22 10:45	08/17/22 13:08	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 16,18,21,23,26,28,30 Batch: WG1676401-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	08/17/22 14:30	08/18/22 10:16	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 32,38,40 Batch: WG1676567-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	08/18/22 04:00	08/18/22 11:38	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 44,48 Batch: WG1676569-1										
Cyanide, Total	ND		mg/kg	0.94	0.20	1	08/18/22 04:00	08/18/22 11:38	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 45 Batch: WG1676743-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/18/22 07:40	08/18/22 07:54	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 48 Batch: WG1676877-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/18/22 13:05	08/18/22 14:43	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 48 Batch: WG1676880-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/18/22 13:05	08/18/22 15:23	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 34-35,45 Batch: WG1676894-1										
Cyanide, Total	0.002	J	mg/l	0.005	0.001	1	08/18/22 14:40	08/19/22 11:01	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 42 Batch: WG1677084-1										
Cyanide, Total	ND		mg/kg	0.92	0.19	1	08/19/22 05:00	08/19/22 13:04	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 55 Batch: WG1677611-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/22 10:30	08/20/22 10:54	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 16,18,21,23,26,28,30,32 Batch: WG1677719-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/20/22 10:00	08/20/22 19:00	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2243951
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04,06,08,10,12 Batch: WG1677720-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/20/22 14:00	08/21/22 01:30	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 38,40,42,44,48,50,52,54 Batch: WG1677744-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/21/22 01:10	08/22/22 23:30	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 55 Batch: WG1677926-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/22/22 01:15	08/22/22 10:45	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 50,52,54 Batch: WG1677965-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	08/22/22 10:40	08/23/22 08:45	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 56-57 Batch: WG1678396-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/23/22 06:15	08/23/22 11:11	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 56-57 Batch: WG1678519-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/23/22 07:45	08/23/22 08:11	1,7196A	ES
General Chemistry - Westborough Lab for sample(s): 59 Batch: WG1679659-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/25/22 12:15	08/25/22 13:02	1,7196A	ES
General Chemistry - Westborough Lab for sample(s): 59 Batch: WG1680673-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/22 21:00	08/29/22 09:50	1,9010C/9012B	CS

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1675709-2 WG1675709-3								
Cyanide, Total	**72**	Q	83		80-120	17		35
General Chemistry - Westborough Lab Associated sample(s): 13 Batch: WG1675713-2 WG1675713-3								
Cyanide, Total	101		92		85-115	9		20
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG1676013-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG1676252-5								
Sulfide, Reactive	119		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 12 Batch: WG1676255-5								
Cyanide, Reactive	63		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 16,18,21,23,26,28,30 Batch: WG1676401-2 WG1676401-3								
Cyanide, Total	85		85		80-120	11		35
General Chemistry - Westborough Lab Associated sample(s): 32,38,40 Batch: WG1676567-2 WG1676567-3								
Cyanide, Total	86		98		80-120	5		35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery		LCSD %Recovery		%Recovery Limits	RPD		RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 44,48 Batch: WG1676569-2 WG1676569-3								
Cyanide, Total	86		98		80-120	5		35
General Chemistry - Westborough Lab Associated sample(s): 45 Batch: WG1676743-2								
Chromium, Hexavalent	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 48 Batch: WG1676768-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 48 Batch: WG1676877-2								
Sulfide, Reactive	97		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 48 Batch: WG1676880-2								
Cyanide, Reactive	73		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 34-35,45 Batch: WG1676894-2 WG1676894-3								
Cyanide, Total	100		100		85-115	0		20
General Chemistry - Westborough Lab Associated sample(s): 42 Batch: WG1677084-2 WG1677084-3								
Cyanide, Total	**43**	Q	89		80-120	**46**	Q	35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 55 Batch: WG1677611-2						
Chromium, Hexavalent	100		-	85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 16,18,21,23,26,28,30,32 Batch: WG1677719-2						
Chromium, Hexavalent	107		-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12 Batch: WG1677720-2						
Chromium, Hexavalent	102		-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,48,50,52,54 Batch: WG1677744-2						
Chromium, Hexavalent	102		-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 55 Batch: WG1677926-2 WG1677926-3						
Cyanide, Total	91		93	85-115	2	20
General Chemistry - Westborough Lab Associated sample(s): 50,52,54 Batch: WG1677965-2 WG1677965-3						
Cyanide, Total	**77**	Q	91	80-120	18	35
General Chemistry - Westborough Lab Associated sample(s): 56-57 Batch: WG1678396-2 WG1678396-3						
Cyanide, Total	103		104	85-115	1	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 56-57 Batch: WG1678519-2					
Chromium, Hexavalent	105	-	85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 59 Batch: WG1679659-2					
Chromium, Hexavalent	102	-	85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 59 Batch: WG1680673-2 WG1680673-3					
Cyanide, Total	107	112	85-115	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12 QC Batch ID: WG1675709-4 WG1675709-5 QC Sample: L2243951-02 Client ID: SB-09 (0-2')												
Cyanide, Total	ND	11	11	100		11	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 13 QC Batch ID: WG1675713-4 WG1675713-5 QC Sample: L2243951-13 Client ID: TMW-09												
Cyanide, Total	0.005	0.2	0.201	98		0.212	103		80-120	5		20
General Chemistry - Westborough Lab Associated sample(s): 16,18,21,23,26,28,30 QC Batch ID: WG1676401-4 WG1676401-5 QC Sample: L2243951-26 Client ID: SB-16 (0-2')												
Cyanide, Total	ND	10	10	96		11	100		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 32,38,40 QC Batch ID: WG1676567-4 WG1676567-5 QC Sample: L2243930-01 Client ID: MS Sample												
Cyanide, Total	ND	10	10	99		11	110		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 44,48 QC Batch ID: WG1676569-4 WG1676569-5 QC Sample: L2243959-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		11	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 45 QC Batch ID: WG1676743-4 QC Sample: L2243951-45 Client ID: SOIL-FIELD BLANK-8/17/22												
Chromium, Hexavalent	ND	0.1	0.103	103		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 34-35,45 QC Batch ID: WG1676894-4 WG1676894-5 QC Sample: L2244322-01 Client ID: MS Sample												
Cyanide, Total	0.001J	0.2	0.195	98		0.200	100		80-120	3		20
General Chemistry - Westborough Lab Associated sample(s): 42 QC Batch ID: WG1677084-4 WG1677084-5 QC Sample: L2244533-01 Client ID: MS Sample												
Cyanide, Total	ND	10	7.5	**74**	Q	8.4	87		75-125	11		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 55 QC Batch ID: WG1677611-4 QC Sample: L2243951-55 Client ID: LBC-2									
Chromium, Hexavalent	ND	0.1	0.104	104	-	-	85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 16,18,21,23,26,28,30,32 QC Batch ID: WG1677719-4 WG1677719-5 QC Sample: L2243951-26 Client ID: SB-16 (0-2')									
Chromium, Hexavalent	ND	1100	1090	99	1060	98	75-125	3	20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12 QC Batch ID: WG1677720-4 QC Sample: L2243951-12 Client ID: WC-02									
Chromium, Hexavalent	ND	1100	976	89	-	-	75-125	-	20
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,48,50,52,54 QC Batch ID: WG1677744-4 QC Sample: L2243951-42 Client ID: SB-15 (0-2')									
Chromium, Hexavalent	ND	1330	1260	95	-	-	75-125	-	20
General Chemistry - Westborough Lab Associated sample(s): 55 QC Batch ID: WG1677926-4 WG1677926-5 QC Sample: L2244887-48 Client ID: MS Sample									
Cyanide, Total	ND	0.2	0.204	102	0.206	103	80-120	1	20
General Chemistry - Westborough Lab Associated sample(s): 50,52,54 QC Batch ID: WG1677965-4 WG1677965-5 QC Sample: L2245106-01 Client ID: MS Sample									
Cyanide, Total	ND	11	12	110	12	120	75-125	0	35
General Chemistry - Westborough Lab Associated sample(s): 56-57 QC Batch ID: WG1678396-4 WG1678396-5 QC Sample: L2243951-56 Client ID: MW-8									
Cyanide, Total	0.002J	0.2	0.208	104	0.222	111	80-120	7	20
General Chemistry - Westborough Lab Associated sample(s): 56-57 QC Batch ID: WG1678519-4 WG1678519-5 QC Sample: L2243951-56 Client ID: MW-8									
Chromium, Hexavalent	ND	0.1	0.102	102	0.101	101	85-115	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 59 QC Batch ID: WG1679659-4 QC Sample: L2243951-59 Client ID: FIELD BLANK-GW-01										
Chromium, Hexavalent	ND	0.1	0.104	104	-	-		85-115	-	20
General Chemistry - Westborough Lab Associated sample(s): 59 QC Batch ID: WG1680673-4 WG1680673-5 QC Sample: L2246010-03 Client ID: MS Sample										
Cyanide, Total	ND	0.2	0.174	87	0.154	**77**	Q	80-120	12	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-08,10-12 QC Batch ID: WG1675647-1 QC Sample: L2243951-01 Client ID: SB-09 (2')						
Solids, Total	89.9	90.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1676013-2 QC Sample: L2244252-01 Client ID: DUP Sample						
pH	4.4	4.4	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 15-23,25-33 QC Batch ID: WG1676111-1 QC Sample: L2243951-25 Client ID: SB-16 (2')						
Solids, Total	92.0	91.6	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1676252-6 QC Sample: L2244163-08 Client ID: DUP Sample						
Sulfide, Reactive	71	69	mg/kg	3		40
General Chemistry - Westborough Lab Associated sample(s): 12 QC Batch ID: WG1676255-6 QC Sample: L2244163-08 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 38,42,48 QC Batch ID: WG1676660-1 QC Sample: L2244482-01 Client ID: DUP Sample						
Solids, Total	95.9	95.8	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 37,39-41,43-44 QC Batch ID: WG1676664-1 QC Sample: L2243951-37 Client ID: SB-13 (1')						
Solids, Total	90.2	90.6	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 47 QC Batch ID: WG1676672-1 QC Sample: L2244449-01 Client ID: DUP Sample						
Solids, Total	21.2	20.8	%	2		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 45 QC Batch ID: WG1676743-3 QC Sample: L2243951-45 Client ID: SOIL-FIELD BLANK-8/17/22					
Chromium, Hexavalent	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1676768-2 QC Sample: L2244393-01 Client ID: DUP Sample					
pH	7.8	8.1	SU	4	5
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1676877-3 QC Sample: L2244112-01 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1676880-3 QC Sample: L2244112-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 49-54 QC Batch ID: WG1677148-1 QC Sample: L2243951-49 Client ID: SB-20 (1')					
Solids, Total	92.4	92.5	%	0	20
General Chemistry - Westborough Lab Associated sample(s): 55 QC Batch ID: WG1677611-3 QC Sample: L2243951-55 Client ID: LBC-2					
Chromium, Hexavalent	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 16,18,21,23,26,28,30,32 QC Batch ID: WG1677719-8 QC Sample: L2243951-26 Client ID: SB-16 (0-2')					
Chromium, Hexavalent	ND	ND	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12 QC Batch ID: WG1677720-6 QC Sample: L2243951-12 Client ID: WC-02					
Chromium, Hexavalent	ND	ND	mg/kg	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2243951

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,48,50,52,54 QC Batch ID: WG1677744-6 QC Sample: L2243951-42 Client ID: SB-15 (0-2')					
Chromium, Hexavalent	ND	0.346J	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 56-57 QC Batch ID: WG1678519-3 QC Sample: L2243951-56 Client ID: MW-8					
Chromium, Hexavalent	ND	ND	mg/l	NC	20
General Chemistry - Westborough Lab Associated sample(s): 59 QC Batch ID: WG1679659-3 QC Sample: L2243951-59 Client ID: FIELD BLANK-GW-01					
Chromium, Hexavalent	ND	ND	mg/l	NC	20

Project Name: 101 E 151ST STREET RI
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Report Date: 09/06/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
A1	Absent
A2	Absent
A3	Absent
A4	Absent
B	Absent
B1	Absent
B2	Absent
B3	Absent
B4	Absent
C	Absent
C2	Absent
C3	Absent
D	Absent
D2	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-01A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2243951-01B	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-01C	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-01D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-02A	Glass 60mL/2oz unpreserved	A	NA		2.5	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),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2243951-02B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-02C	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-03A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2243951-03B	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-03C	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-03D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2243951-04A	Glass 60mL/2oz unpreserved	A	NA		2.5	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),SE-TI(180),SB-TI(180),CU-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),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2243951-04B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-04C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-05A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2243951-05B	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-05C	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-05D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2243951-06A	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2243951-06B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2243951-06C	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-07A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2243951-07B	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-07C	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-07D	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2243951-08A	Glass 60mL/2oz unpreserved	A	NA		2.5	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),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2243951-08B	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2243951-08C	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-08D	Plastic 8oz unpreserved	A	NA		2.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-08E	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-09A	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2243951-09B	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2243951-10A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L2243951-10B	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-10C	Vial water preserved	A	NA		2.5	Y	Absent	16-AUG-22 03:08	NYTCL-8260HLW(14)
L2243951-10D	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	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),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2243951-10E	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L2243951-10F	Plastic 120ml unpreserved	A	NA		2.5	Y	Absent		TS(7)
L2243951-10G	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-10H	Plastic 8oz unpreserved	A	NA		2.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-10I	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-11A	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		TS(7)
L2243951-11B	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2243951-11V	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)
L2243951-11W	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)
L2243951-11X	Vial MeOH preserved split	A	NA		2.5	Y	Absent		TPH-GRO(14),ARCHIVE()
L2243951-11Y	Vial Water preserved split	A	NA		2.5	Y	Absent	**18-AUG-22 09:51**	ARCHIVE()
L2243951-11Z	Vial Water preserved split	A	NA		2.5	Y	Absent	**18-AUG-22 09:51**	ARCHIVE()
L2243951-12A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		HG-T(28)
L2243951-12B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2243951-12C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2243951-12X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2243951-12X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L2243951-13A	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2243951-13B	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2243951-13C	Vial HCl preserved	B	NA		3.1	Y	Absent		NYTCL-8260(14)
L2243951-13D	Plastic 250ml unpreserved	B	7	7	3.1	Y	Absent		-
L2243951-13E	Plastic 250ml HNO3 preserved	B	<2	<2	3.1	Y	Absent		TL-6020T(180),SE-6020T(180),FE-6020T(180),BA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),CA-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),CD-6020T(180),AG-6020T(180),HG-T(28),AL-6020T(180),MG-6020T(180),CO-6020T(180)
L2243951-13F	Plastic 250ml NaOH preserved	B	>12	>12	3.1	Y	Absent		TCN-9010(14)
L2243951-13G	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)
L2243951-13H	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-13I	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2243951-13J	Amber 120ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8081(7)
L2243951-13K	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-13L	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-13M	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-13N	Amber 250ml unpreserved	B	7	7	3.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-13O	Amber 1000ml unpreserved	B	7	7	3.1	Y	Absent		HERB-APA(7)
L2243951-13P	Amber 1000ml unpreserved	B	7	7	3.1	Y	Absent		HERB-APA(7)
L2243951-13Q	Plastic 250ml unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-13R	Plastic 250ml unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-13X	Plastic 120ml HNO3 preserved Filtrates	B	NA	NA	3.1	Y	Absent		CU-6020S(180),V-6020S(180),K-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),PB-6020S(180),BA-6020S(180),NA-6020S(180),TL-6020S(180),NI-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2243951-14A	Plastic 250ml unpreserved	B	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-15A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-15B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-15C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-15D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-16A	Glass 60mL/2oz unpreserved	B1	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2243951-16B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-16C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-16D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-16E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-17A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-17B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-17C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-17D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-18A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),SB-TI(180),SE-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),CD-TI(180),NA-TI(180)
L2243951-18B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-18C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-18D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-18E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-19A	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-19B	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-20A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-20B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-20C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-20D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-21A	Glass 60mL/2oz unpreserved	B1	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2243951-21B	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-21C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-22A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-22B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-22C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-22D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-23A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),ZN-TI(180),SB-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2243951-23B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-23C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-23D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-23E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-24A	Vial HCl preserved	B1	NA		3.4	Y	Absent		NYTCL-8260(14)
L2243951-24B	Vial HCl preserved	B1	NA		3.4	Y	Absent		NYTCL-8260(14)
L2243951-25A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-25A1	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-25A2	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-25B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25B1	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25B2	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25C1	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25C2	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-25D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-25D1	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-25D2	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-26A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2243951-26A1	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2243951-26A2	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2243951-26B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-26B1	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-26B2	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-26C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-26C1	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-26C2	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-26D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-26D1	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-26D2	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-26E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-26E1	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-26E2	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-27A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-27B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-27C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-27D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-28A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2243951-28B	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-28C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-29A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-29B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-29C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-29D	Plastic 120ml unpreserved	B1	NA		3.4	Y	Absent		TS(7)
L2243951-30A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),SB-TI(180),CU-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2243951-30B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-30C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-30D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-30E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-31A	Vial MeOH preserved	B1	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L2243951-31B	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-31C	Vial water preserved	B1	NA		3.4	Y	Absent	17-AUG-22 02:57	NYTCL-8260HLW(14)
L2243951-31D	Plastic 120ml unpreserved	B1	NA		3.4	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(*)
L2243951-32A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.4	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),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),NA-TI(180),CD-TI(180),K-TI(180),CA-TI(180)
L2243951-32B	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-32C	Glass 120ml/4oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-32D	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-32E	Glass 500ml/16oz unpreserved	B1	NA		3.4	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-33A	Plastic 2oz unpreserved for TS	B1	NA		3.4	Y	Absent		TS(7)
L2243951-33B	Plastic 8oz unpreserved	C	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-34A	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-34B	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-34C	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-34D	Plastic 250ml unpreserved	A1	7	7	3.5	Y	Absent		-
L2243951-34E	Plastic 250ml HNO3 preserved	A1	<2	<2	3.5	Y	Absent		FE-6020T(180),SE-6020T(180),TL-6020T(180),BA-6020T(180),CA-6020T(180),NI-6020T(180),K-6020T(180),CR-6020T(180),NA-6020T(180),ZN-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),HG-T(28),CD-6020T(180),AL-6020T(180),AG-6020T(180),MG-6020T(180),CO-6020T(180)
L2243951-34F	Plastic 250ml NaOH preserved	A1	>12	>12	3.5	Y	Absent		TCN-9010(14)
L2243951-34G	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2243951-34H	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2243951-34I	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2243951-34J	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2243951-34K	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-34L	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-34M	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(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(*)
L2243951-34N	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-34O	Amber 1000ml unpreserved	A1	7	7	3.5	Y	Absent		HERB-APA(7)
L2243951-34P	Amber 1000ml unpreserved	A1	7	7	3.5	Y	Absent		HERB-APA(7)
L2243951-34Q	Plastic 250ml unpreserved	A1	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-34R	Plastic 250ml unpreserved	A1	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-34X	Plastic 120ml HNO3 preserved Filtrates	A1	NA	NA	3.5	Y	Absent		K-6020S(180),V-6020S(180),CU-6020S(180),SE-6020S(180),MN-6020S(180),MG-6020S(180),CO-6020S(180),ZN-6020S(180),BE-6020S(180),CR-6020S(180),FE-6020S(180),CA-6020S(180),NI-6020S(180),BA-6020S(180),PB-6020S(180),TL-6020S(180),NA-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)
L2243951-35A	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-35B	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-35C	Vial HCl preserved	A1	NA		3.5	Y	Absent		NYTCL-8260(14)
L2243951-35D	Plastic 250ml unpreserved	A1	7	7	3.5	Y	Absent		-
L2243951-35E	Plastic 250ml HNO3 preserved	A1	<2	<2	3.5	Y	Absent		TL-6020T(180),SE-6020T(180),BA-6020T(180),FE-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),K-6020T(180),NA-6020T(180),CU-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CO-6020T(180)
L2243951-35F	Plastic 250ml NaOH preserved	A1	>12	>12	3.5	Y	Absent		TCN-9010(14)
L2243951-35G	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2243951-35H	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8082-LVI(365)
L2243951-35I	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2243951-35J	Amber 120ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8081(7)
L2243951-35K	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-35L	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-35M	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-35N	Amber 250ml unpreserved	A1	7	7	3.5	Y	Absent		A2-1,4-DIOXANE-SIM(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(*)
L2243951-35O	Amber 1000ml unpreserved	A1	7	7	3.5	Y	Absent		HERB-APA(7)
L2243951-35P	Amber 1000ml unpreserved	A1	7	7	3.5	Y	Absent		HERB-APA(7)
L2243951-35Q	Plastic 250ml unpreserved	A1	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-35R	Plastic 250ml unpreserved	A1	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-35X	Plastic 120ml HNO3 preserved Filtrates	A1	NA	NA	3.5	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),CA-6020S(180),CR-6020S(180),FE-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),PB-6020S(180),BA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2243951-36A	Plastic 250ml unpreserved	A1	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-37A	Vial MeOH preserved	B2	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2243951-37B	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-37C	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-37D	Plastic 120ml unpreserved	B2	NA		4.0	Y	Absent		TS(7)
L2243951-38A	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		4.0	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),PB-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),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2243951-38B	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-38C	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-39A	Vial MeOH preserved	B2	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2243951-39B	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-39C	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-39D	Plastic 120ml unpreserved	B2	NA		4.0	Y	Absent		TS(7)
L2243951-40A	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		4.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-40B	Plastic 2oz unpreserved for TS	A2	NA		4.4	Y	Absent		TS(7)
L2243951-40C	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-40D	Plastic 8oz unpreserved	A2	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-40E	Glass 500ml/16oz unpreserved	B2	NA		4.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-41A	Vial MeOH preserved	B2	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2243951-41B	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-41C	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-41D	Plastic 120ml unpreserved	B2	NA		4.0	Y	Absent		TS(7)
L2243951-42A	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		4.0	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CU-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),CD-TI(180),K-TI(180)
L2243951-42B	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-42C	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-43A	Vial MeOH preserved	B2	NA		4.0	Y	Absent		NYTCL-8260HLW(14)
L2243951-43B	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-43C	Vial water preserved	B2	NA		4.0	Y	Absent	18-AUG-22 02:53	NYTCL-8260HLW(14)
L2243951-43D	Plastic 120ml unpreserved	B2	NA		4.0	Y	Absent		TS(7)
L2243951-44A	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		4.0	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),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-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)
L2243951-44B	Plastic 2oz unpreserved for TS	A2	NA		4.4	Y	Absent		TS(7)
L2243951-44C	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-44D	Plastic 8oz unpreserved	A2	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(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(*)
L2243951-44E	Glass 500ml/16oz unpreserved	B2	NA		4.0	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2243951-45A	Vial HCl preserved	B2	NA		4.0	Y	Absent		NYTCL-8260(14)
L2243951-45B	Vial HCl preserved	B2	NA		4.0	Y	Absent		NYTCL-8260(14)
L2243951-45C	Vial HCl preserved	B2	NA		4.0	Y	Absent		NYTCL-8260(14)
L2243951-45D	Plastic 250ml HNO3 preserved	B2	<2	<2	4.0	Y	Absent		BA-6020T(180),FE-6020T(180),TL-6020T(180),SE-6020T(180),K-6020T(180),NI-6020T(180),CR-6020T(180),CA-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),SB-6020T(180),V-6020T(180),AS-6020T(180),HG-T(28),CD-6020T(180),MG-6020T(180),AL-6020T(180),AG-6020T(180),CO-6020T(180)
L2243951-45E	Plastic 250ml NaOH preserved	B2	>12	>12	4.0	Y	Absent		TCN-9010(14)
L2243951-45F	Amber 120ml unpreserved	B2	7	7	4.0	Y	Absent		NYTCL-8082-LVI(365)
L2243951-45G	Amber 120ml unpreserved	B2	7	7	4.0	Y	Absent		NYTCL-8082-LVI(365)
L2243951-45H	Amber 120ml unpreserved	B2	7	7	4.0	Y	Absent		NYTCL-8081(7)
L2243951-45I	Amber 120ml unpreserved	B2	7	7	4.0	Y	Absent		NYTCL-8081(7)
L2243951-45J	Amber 250ml unpreserved	B2	7	7	4.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-45K	Amber 250ml unpreserved	B2	7	7	4.0	Y	Absent		HEXCR-7196(1)
L2243951-45L	Amber 250ml unpreserved	B2	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-45M	Amber 250ml unpreserved	B2	7	7	4.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-45N	Amber 1000ml unpreserved	B2	7	7	4.0	Y	Absent		HERB-APA(7)
L2243951-45O	Amber 1000ml unpreserved	B2	7	7	4.0	Y	Absent		HERB-APA(7)
L2243951-45P	Plastic 250ml unpreserved	A2	NA		4.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-46A	Vial HCl preserved	B2	NA		4.0	Y	Absent		NYTCL-8260(14)
L2243951-46B	Vial HCl preserved	B2	NA		4.0	Y	Absent		NYTCL-8260(14)
L2243951-47A	Vial Large Septa unpreserved (4oz)	B2	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14),TS(7)
L2243951-47B	Vial Large Septa unpreserved (4oz)	B2	NA		4.0	Y	Absent		TCLP-EXT-ZHE(14),TS(7)
L2243951-47X	Vial MeOH preserved split	B2	NA		4.0	Y	Absent		TPH-GRO(14)
L2243951-47Y	Vial unpreserved Extracts	B2	NA		4.0	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-47Z	Vial unpreserved Extracts	B2	NA		4.0	Y	Absent		TCLP-VOA(14)
L2243951-48A	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		4.0	Y	Absent		HG-T(28)
L2243951-48B	Glass 120ml/4oz unpreserved	B2	NA		4.0	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2243951-48C	Glass 500ml/16oz unpreserved	B2	NA		4.0	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2243951-48X	Plastic 120ml HNO3 preserved Extracts	B2	NA		4.0	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2243951-48X9	Tumble Vessel	B2	NA		4.0	Y	Absent		-
L2243951-49A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2243951-49B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-49C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-49D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2243951-50A	Glass 60mL/2oz unpreserved	D	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2243951-50B	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2243951-50C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2243951-51A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2243951-51B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-51C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-51D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2243951-52A	Metals Only-Glass 60mL/2oz unpreserved	D	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),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2243951-52B	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-52C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2243951-53A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2243951-53B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-53C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2243951-53D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2243951-54A	Glass 60mL/2oz unpreserved	D	NA		4.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2243951-54B	Plastic 2oz unpreserved for TS	A3	NA		3.9	Y	Absent		TS(7)
L2243951-54C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2243951-54D	Plastic 8oz unpreserved	A3	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-54E	Glass 500ml/16oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2243951-55A	Vial HCl preserved	B4	NA		4.2	Y	Absent		NYTCL-8260(14)
L2243951-55B	Vial HCl preserved	B4	NA		4.2	Y	Absent		NYTCL-8260(14)
L2243951-55C	Plastic 250ml HNO3 preserved	B4	<2	<2	4.2	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),K-6020T(180),CR-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),SB-6020T(180),AS-6020T(180),CD-6020T(180),MG-6020T(180),AL-6020T(180),HG-T(28),AG-6020T(180),CO-6020T(180)
L2243951-55D	Plastic 250ml unpreserved	B4	7	7	4.2	Y	Absent		-
L2243951-55E	Plastic 250ml NaOH preserved	B4	>12	>12	4.2	Y	Absent		TCN-9010(14)
L2243951-55F	Amber 120ml unpreserved	B4	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2243951-55G	Amber 120ml unpreserved	B4	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2243951-55H	Amber 120ml unpreserved	B4	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2243951-55I	Amber 120ml unpreserved	B4	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2243951-55J	Amber 250ml unpreserved	B4	7	7	4.2	Y	Absent		HEXCR-7196(1)
L2243951-55K	Amber 250ml unpreserved	B4	7	7	4.2	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-55L	Amber 250ml unpreserved	B4	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-55M	Amber 250ml unpreserved	B4	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-55N	Amber 1000ml unpreserved	B4	7	7	4.2	Y	Absent		HERB-APA(7)
L2243951-55O	Amber 1000ml unpreserved	B4	7	7	4.2	Y	Absent		HERB-APA(7)
L2243951-55X	Plastic 120ml HNO3 preserved Filtrates	B4	NA	NA	4.2	Y	Absent		CU-6020S(180),SE-6020S(180),K-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),ZN-6020S(180),MG-6020S(180),CA-6020S(180),FE-6020S(180),CR-6020S(180),BA-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),AS-6020S(180),AG-6020S(180),SB-6020S(180),AL-6020S(180),CD-6020S(180),HG-S(28)
L2243951-56A	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-56A1	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56A2	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56B	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-56B1	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56B2	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56C	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-56C1	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56C2	Vial HCl preserved	E	NA		4.1	Y	Absent		NYTCL-8260(14)
L2243951-56D	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56D1	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56D2	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56E	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56E1	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56E2	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8082-LVI(365)
L2243951-56F	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2243951-56F1	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2243951-56F2	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2243951-56G	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8081(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-56G1	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2243951-56G2	Amber 120ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8081(7)
L2243951-56H	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56H1	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56H2	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56J	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56J1	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56J2	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-56K	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-56K1	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-56K2	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-56L	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		HEXCR-7196(1)
L2243951-56L1	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		HEXCR-7196(1)
L2243951-56L2	Amber 250ml unpreserved	E	7	7	4.1	Y	Absent		HEXCR-7196(1)
L2243951-56M	Plastic 250ml NaOH preserved	D2	>12	>12	3.8	Y	Absent		TCN-9010(14)
L2243951-56M1	Plastic 250ml NaOH preserved	E	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2243951-56M2	Plastic 250ml NaOH preserved	E	>12	>12	4.1	Y	Absent		TCN-9010(14)
L2243951-56N	Plastic 250ml unpreserved	D2	7	7	3.8	Y	Absent		-
L2243951-56N1	Plastic 250ml unpreserved	E	7	7	4.1	Y	Absent		-
L2243951-56N2	Plastic 250ml unpreserved	E	7	7	4.1	Y	Absent		-
L2243951-56O	Plastic 250ml HNO3 preserved	D2	<2	<2	3.8	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-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),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
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Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-56O1	Plastic 250ml HNO3 preserved	E	<2	<2	4.1	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-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),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2243951-56O2	Plastic 250ml HNO3 preserved	E	<2	<2	4.1	Y	Absent		BA-6020T(180),TL-6020T(180),FE-6020T(180),SE-6020T(180),CR-6020T(180),CA-6020T(180),NI-6020T(180),K-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),HG-T(28),AL-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),CO-6020T(180)
L2243951-56P	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56P1	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56P2	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56Q	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56Q1	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56Q2	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-56R	Amber 1000ml unpreserved	D2	7	7	3.8	Y	Absent		HERB-APA(7)
L2243951-56R1	Amber 1000ml unpreserved	E	7	7	4.1	Y	Absent		HERB-APA(7)
L2243951-56R2	Amber 1000ml unpreserved	E	7	7	4.1	Y	Absent		HERB-APA(7)
L2243951-56S	Amber 1000ml unpreserved	D2	7	7	3.8	Y	Absent		HERB-APA(7)
L2243951-56S1	Amber 1000ml unpreserved	E	7	7	4.1	Y	Absent		HERB-APA(7)
L2243951-56S2	Amber 1000ml unpreserved	E	7	7	4.1	Y	Absent		HERB-APA(7)
L2243951-56X	Plastic 120ml HNO3 preserved Filtrates	D2	NA	NA	3.8	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-56X1	Plastic 120ml HNO3 preserved Filtrates	E	NA	NA	4.1	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2243951-56X2	Plastic 120ml HNO3 preserved Filtrates	E	NA	NA	4.1	Y	Absent		SE-6020S(180),K-6020S(180),V-6020S(180),CU-6020S(180),MN-6020S(180),CO-6020S(180),BE-6020S(180),MG-6020S(180),ZN-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),PB-6020S(180),NA-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),AL-6020S(180),HG-S(28),CD-6020S(180)
L2243951-57A	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-57B	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-57C	Vial HCl preserved	D2	NA		3.8	Y	Absent		NYTCL-8260(14)
L2243951-57D	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8082-LVI(365)
L2243951-57E	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8082-LVI(365)
L2243951-57F	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2243951-57G	Amber 120ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8081(7)
L2243951-57H	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-57J	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-57K	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-57L	Amber 250ml unpreserved	D2	7	7	3.8	Y	Absent		HEXCR-7196(1)
L2243951-57M	Plastic 250ml NaOH preserved	D2	>12	>12	3.8	Y	Absent		TCN-9010(14)
L2243951-57N	Plastic 250ml unpreserved	D2	7	7	3.8	Y	Absent		-

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-57O	Plastic 250ml HNO3 preserved	D2	<2	<2	3.8	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),MG-6020T(180),AG-6020T(180),AL-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2243951-57P	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-57Q	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-57R	Amber 1000ml unpreserved	D2	7	7	3.8	Y	Absent		HERB-APA(7)
L2243951-57S	Amber 1000ml unpreserved	D2	7	7	3.8	Y	Absent		HERB-APA(7)
L2243951-57X	Plastic 120ml HNO3 preserved Filtrates	D2	NA	NA	3.8	Y	Absent		CU-6020S(180),K-6020S(180),V-6020S(180),SE-6020S(180),MN-6020S(180),BE-6020S(180),ZN-6020S(180),CO-6020S(180),MG-6020S(180),CR-6020S(180),CA-6020S(180),FE-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),NI-6020S(180),PB-6020S(180),AG-6020S(180),AS-6020S(180),SB-6020S(180),CD-6020S(180),HG-S(28),AL-6020S(180)
L2243951-58A	Plastic 250ml unpreserved	A4	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-59A	Vial HCl preserved	C3	NA		3.0	Y	Absent		NYTCL-8260(14)
L2243951-59B	Vial HCl preserved	C3	NA		3.0	Y	Absent		NYTCL-8260(14)
L2243951-59C	Vial HCl preserved	C3	NA		3.0	Y	Absent		NYTCL-8260(14)
L2243951-59D	Amber 120ml unpreserved	C3	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2243951-59E	Amber 120ml unpreserved	C3	7	7	3.0	Y	Absent		NYTCL-8081(7)
L2243951-59F	Amber 120ml unpreserved	C3	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2243951-59G	Amber 120ml unpreserved	C3	7	7	3.0	Y	Absent		NYTCL-8082-LVI(365)
L2243951-59H	Plastic 250ml unpreserved	C3	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2243951-59J	Amber 250ml unpreserved	C3	7	7	3.0	Y	Absent		HEXCR-7196(1),NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-59K	Amber 250ml unpreserved	C3	7	7	3.0	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2243951-59L	Amber 250ml unpreserved	C3	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2243951-59M	Amber 250ml unpreserved	C3	7	7	3.0	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

Lab Number: L2243951
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2243951-59N	Plastic 250ml NaOH preserved	C3	>12	>12	3.0	Y	Absent		TCN-9010(14)
L2243951-59O	Plastic 250ml unpreserved	C3	7	7	3.0	Y	Absent		-
L2243951-59P	Plastic 500ml HNO3 preserved	C3	<2	<2	3.0	Y	Absent		FE-6020T(180),SE-6020T(180),BA-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),NI-6020T(180),K-6020T(180),ZN-6020T(180),CU-6020T(180),NA-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),CD-6020T(180),HG-T(28),CO-6020T(180)
L2243951-59Q	Amber 1000ml unpreserved	C3	7	7	3.0	Y	Absent		HERB-APA(7)
L2243951-59R	Amber 1000ml unpreserved	C3	7	7	3.0	Y	Absent		HERB-APA(7)
L2243951-59X	Plastic 120ml HNO3 preserved Filtrates	C3	NA		3.0	Y	Absent		CU-6020S(180),K-6020S(180),SE-6020S(180),V-6020S(180),MN-6020S(180),CO-6020S(180),MG-6020S(180),BE-6020S(180),ZN-6020S(180),FE-6020S(180),CA-6020S(180),CR-6020S(180),PB-6020S(180),NI-6020S(180),TL-6020S(180),BA-6020S(180),NA-6020S(180),SB-6020S(180),AG-6020S(180),AS-6020S(180),HG-S(28),AL-6020S(180),CD-6020S(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
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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	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	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
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	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:	101 E 151ST STREET RI	**Lab Number:**	L2243951
Project Number:	41.0162951.10	**Report Date:**	09/06/22

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2243951
Project Number:	41.0162951.10	**Report Date:**	09/06/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2243951
Project Number:	41.0162951.10	**Report Date:**	09/06/22

Data Qualifiers

Identified Compounds (TICs).

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2243951
Project Number:	41.0162951.10	**Report Date:**	09/06/22

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

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: 508-822-9288

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

Page 1 of 4

Date Rec'd in Lab: 8/15/22

ALPHA Job #: L2243951

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 5448140
Fax:
Email: Rainbill.Mangiaracina@GZA.com

Project Information
Project Name: 101 E 15th Street RT
Project Location: East River
Project #: ~~[illegible]~~ 10167451.10
(Use Project name as Project #)
Project Manager: Rainbill Mangiaracina
ALPHAQuote #: 19503

Turn-Around Time
Standard ☐
Rush (only if pre approved) ☒
Due Date:
# of Days: 1 week

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:
Sample Delivery Group GZA-01 TAL Metals also analyzed for Total Cyanide & Hex Chrom

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	TAL VOCs 8260	TAL SVOCs 8270	TAL Metals Solid (Total) w/Hexavalent Cr & Cyanide	TAL Pesticides 8081 Solid	TAL Herbicides 8151	TAL PCBs 8082 Soil	PAHs 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
43951-01	SB-04 (2')	8/15/22	12:10	Soil	SB	X									4
02	SB-04 (2-3')		12:10			X	X	X							5
03	SB-04 (6')		12:20			X									4
04	SB-04 (5-7')		12:20				X	X	X	X	X	X	X		5
05	SB-14 (1')		14:30			X									4
06	SB-14 (0-2')		14:30				X	X							5
07	SB-14 (6')		14:45			X									4
08	SB-14 (4-6')	↓	14:45	↓	↓		X	X	X	X	X	X	X		5
09	TripBlank-01					X									1
10	DUP-Soil-8.15.22	X		X	X	X	X	X	X	X	X	X	X		5

Container Type: V/A A A A A P A
Preservative: HA A A A A A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	8/15/22 16:30	[signature]	8/15/22 1630
[signature]	8/15/22 1780	[signature]	8/15 1930
[signature]	8/15 2100 2110	[signature]	8/15/22 2110
[signature]	8/15/22 2320		8/15/22 2320

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 JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 2 of 4

Date Rec'd in Lab: 8/15/22

ALPHA Job #: L2243951

Client Information

Client: ~~GZA GeoEnvironmental~~
Address: 104 W. 29th St. New York, NY, 10001
Phone: 212-594-8140
Fax:
Email: reinbill.menjivar@gza.com

Project Information

Project Name: 101 E. 150th St RI
Project Location: 101 E. 150th St.
Project #: 41.0162951.10
(Use Project name as Project #):
Project Manager: Reinbill Menjivar
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

Deliverables

☐ NJ Full / Reduced
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☒ Other - ASP-B

Regulatory Requirement

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other Part 375 Restricted Use - 74704

Billing Information

☒ Same as Client Info
PO # 41.0162951.10

Site Information

Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
~~Sample Delivery Group~~ GZA-1

Please specify Metals or TAL.

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP VOCs	TPH GC-SIM SB	Cyanide - 9010B Preserve - 9014	Hex Chrom - 7196A Paint Filter - 9095A	TAL Metals - 6010B / Mercury - 7470A	EPH	Corrosivity - 9045C Ignitability - 1030	Cyanide - Reactive - 9010B Sulfide - Reactive - 9034	TCLP Metals - Extraction - 1311 / EPH Metals - 6010B / Mercury - 7470A
43951-11	WC-02 (1')	8/15/22	1400	Soil	JB	X	X							
12	WC-02	↓	↓	↓	JB			X	X	X	X	X	X	X

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

Sample Specific Comments

Total Bottle: 5

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

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

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

Container Type: A
Preservative: A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/15/22 16:30		8/15/22 1630
	8/15/22 1756		8/15 1730
	8/15 2110		8/15/22 2110
	8/15/22 2320		8/15/22 2320

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

Form No: 01-14 HC (rev. 30-Sept-2013)

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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FAX: 508-898-9193

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

Service Centers
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 2 of 4

Date Rec'd in Lab: 8/15/22

ALPHA Job #: L2243951

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 27th St
NY, NY, 10001
Phone: 212 924 8140
Fax:
Email: Reinbill.Manriquez@GZA

Project Information

Project Name: 101 E 15th St DI
Project Location: 101 E 15th St
Project #: 01.0167951.10
(Use Project name as Project #): ☐
Project Manager: Reinbill Manriquez
ALPHAQuote #: 19508

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:

Sampling Delivery Group GZA-01 Total & Dissolved Metals Cyanide by 9010/9012 9012 analyzed after acid digestion by 7471

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	Total Metals (TAL)	Dissolved Metals (TAL)	Resistivity 2510	PCBs 8082A	Herbicides 8151	537.1 PFAS	1,4-Dioxane	Total Bottle
43951-13	TMW-04	8/15/22	15:00	GW	MF	X	X	X	X	X	X	X	X	X	15
14	Field Blank	8/15/22	16:00	water	MF								X		4

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

Sample Specific Comments

Container Type	V	A	P	P	A	A	A	P	A
Preservative	B	A	C	A	A	A	A	A	A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/15/22 16:30		8/15/22 16:30
	8/15/20 17:56		8/15 1930
	8/15 2110		8/15/22 2110
	8/15/22 2330		8/15/22 23:20

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

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FAX: 508-822-3288

Service Centers
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 4

Date Rec'd in Lab: 8/16/22

ALPHA Job #: L2243957

Client Information

Client: ~~GZA GeoEnvironmental~~
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8410
Fax:
Email: Kenbill.Manigault@GZA.com

Project Information

Project Name: 101 E 150th Street RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Kenbill Manigault
ALPHAQuote #: 19[illegible]

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Sample Delivery Group GZA-01 * Metals also Analyzed for Total Cyanide and ~~Hex~~ #ex Chrom.

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	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010 * TI/Hg	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Total Bottle
43951-15	SB-10 (1')	8/16/22	9:20	Soil	JB	X								4
16	SB-10 (0-2')		9:20				X	X	X	X	X	X	X	5
17	SB-10 (5')		9:30			X								4
18	SB-10 (3-5')		9:30				X	X	X	X	X	X	X	5
19	SB-09 (0-2')		8:45									X		2
20	SB-11 (1')		10:35			X								2
21	SB-11 (0-2')		10:35				X	X						3
22	SB-11 (4')		10:45			X								4
23	SB-11 (3-5')		10:45	↓	↓		X	X	X	X	X	X	X	5
24	Trip Blank-02	↓		Water		X								1

Container Type: V A A A A A P A
Preservative: O A A A A A 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
	8/16/22 15:45	MM (AAL)	8-16-22 1545
MM (AAL)	8-16-22 1700	Agnamarelli (AAL)	8/16/22 1645
Agnamarelli (AAL)	8/16/22		8/16/22 2330

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 4

Date Rec'd in Lab: 8/16/22

ALPHA Job #: L2243951

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St NY, NY 10001
Phone: 212 924 9440
Fax:
Email: Reinbill.Manigwet@GZA.com

Project Information

Project Name: 101 E 190th Street RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Manigwet
ALPHAQuote #: 14508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Sample Delivery Group GZA-01 * Metals also analyzed for total Cyanide and Hex Chrom.

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	TAL Soils + TCL SVOCs	TAL Metals Solid	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082A	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
43951-25	SB-16 (2')	8/16/22	12:20	S	SB	X								5
-26	SB-16 (0-2')		12:20				X	X	X	X	X	X	X	X		5
-25	MS-SB-16 (2')		12:20			X										5
-26	MS-SB-16 (0-2')		12:20				X	X	X	X	X	X	X	X		5
-25	MSD-SB-16 (2')		12:20													5
-26	MSD-SB-16 (0-2')		12:20				X	X	X	X	X	X	X	X		5
27	SB-12 (1')		14:05			X										5
28	SB-12 (0-2')		14:05				X	X								3
29	SB-12 (4')		14:15			X										5
30	SB-12 (3-5')	↓	14:15	↓	↓		X	X	X	X	X	X	X			5

Container Type: V A A A A A P A
Preservative: O A A A A A A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/16/22 15:45	(AAL)	8-16-22 1545
(AAL)	8-16-22 1700		8/16/22 16:45
	8/16/22		8/16/22 2330

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: 3 of 4

Date Rec'd in Lab: 8/16/22

ALPHA Job #: L2243951

Client Information
Client: (4A Geo Environmental)
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Maniquez@GEA.com

Project Information
Project Name: 101 East 150th St. Bx
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Maniquez
ALPHAQuote #:

Turn-Around Time
Standard
Rush (only if pre approved) X
Due Date:
# of Days: 1 week

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:
SB-09 was on 8/15 Chain of Custody and missing from Cooler. metals will also be analyzed
Sample Delivery Group GEA-01 *for total Cyanide and Hexchr

Please specify Metals or TAL

ANALYSIS

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	TAL Metals 6010 + TAL Hg 7471 *	TAL Pest 8081	TAL Herb 8151	TAL PCB 8082A	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottles
43951-31	SB-16 (5')	8/16/22	12:30	Soil	JB	X								4
32	SB-16 (3-5')	↓	↓	↓	↓		X	X	X	X	X	X		1
33	SB-09 (5-7')	8/15/22	12:20	Soil	JB						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	A	A	A	A	P	A	
Preservative	G	A	A	A	A	A	B	D	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/16/22 15:45	MAL(AAL)	8/16/22 1545
MAL(AAL)	8/16/22 1700	Agnamanolli (AAL)	8/16/22 16:45
Agnamanolli (AAL)	8/16/22		8/16
	8/16 2200		8/16/22 2230

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

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Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
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Page 4 of 4

Date Rec'd in Lab: 8/16/22

ALPHA Job #: L2243951

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinhill.Maniquez@GZA.com

Project Information
Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinhill Maniquez
ALPHAQuote #: 19508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:
Sample Delivery Group GZA-01 * Total & Dissolved metals are analyzed for Cyanide by 9016, 9012 and Mercury by 7471

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + Tentatively Identified Compounds	TCL SVOCs + Tentatively Identified Compounds	Total TAL Metals*	Dissolved TAL Metals*	8081 Pest	8151 Herb	8270 PCBs	537.1 PFAS	Ultra Dioxane	Sample Specific Comments	Total # Bottles
43951-34	TMW-10	8/16/22	11:00	GW		X	X	X	X	X	X	X	X	X		15
35	TMW-11		13:16			X	X	X	X	X	X	X	X	X		15
36	Field Blank GW		14:05										X			7

Container Type: V A P P A A A P A
Preservative: N A C A A A A A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/16/22 15:45		
	8/16/22 1700		8/16/22 1545
	8/16/22		8/16/22 16:45
	8/16/22		8/16/22 2030

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

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Service Centers
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Page 1 of 2

Date Rec'd in Lab: 8/17/22 8/18/22 8/18/22

ALPHA Job # L2243951

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manigueze@GZA.com

Project Information

Project Name: 101 E 115th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manigueze
ALPHAQuote #: 195078

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG L2243951 * Metals will also be analyzed for total Cyanide & Hex Chrom

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260C	TCL SVOCs 8270D	TAL Metals 6010D	TAL Pest 8081B	TAL Herb 8151A	TAL PCB 8082A	PFAS 537.1	1,4-Dioxane 8270D	TAL total Metals + Cyanide + Hex Chrom *	Sample Specific Comments	Total Bottle
43951-37	SB-13 (1')	8/17/22	9:20	Soil	JB	X										4
38	SB-13 (0-2')		9:20				X	X								3
39	SB-13 (4')		9:30			X										4
40	SB-13 (3-5')		9:30				X	X	X	X	X	X	X			5
41	SB-15 (2')		10:35			X										4
42	SB-15 (0-2')		10:35				X	X								3
43	SB-15 (4')		10:45			X										4
44	SB-15 (3-5')		10:45				X	X	X	X	X	X	X			5
45	Soil - Field Blank - 8617.22	8/17/22	11:15	Water	JB	X	X		X	X	X	X	X	X		14
46	Trip Blank - 03	8/17/22		water		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	VA	A	A	A	A	P	A	
Preservative	O	A	A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/17/22 17:37	MSMS (mmc)	8/17/22 1237
	8/17 1930		8/17
	8/17/22 2335		8/17/22 2120
			8/18/22 2335

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)

ALPHA ANALYTICAL

NEW YORK CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
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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 2 of 2

Date Rec'd in Lab: 8/17/22 8/18/22 8/18/22

ALPHA Job # L2243951

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 27th St NY/NY 10001
Phone: 212 594 8140
Fax:
Email: Rembill.Menjivar@GZA

Project Information
Project Name: 101 E 150th St PI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Rembill Menjivar
ALPHAQuote #: 14508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 w 2 DX

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	TCLP VOCs	TPH GRO	Cyanide	Mercury 7471A	Hex Chrm	Paint Filter	VPH	Corrosivity	Ignitability	Cyanide - Reactivity	Sulfide - Reactivity	TCLP - Extraction	TCLP Metals - Mercury 7471A	Sample Specific Comments	Total Bottle
43951-47	WC-01 (2')	8/17/22	10:55	Soil	JB	X	X													2
48	WC-01	↓	10:55	Soil	↓			X	X	X	X	X	X							3

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

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

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

Container Type	A	
Preservative	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/17/22 12:37	MSMK (FAX)	8/17/22 1237
ZGAAL	8/17 1930	ZGAAL	8/17
			8/17/22 2120
	8/17/22 2335		8/18/22 2335

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 JERSEY CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 8/18/22

ALPHA Job #: L2243951

Client Information

Client: GEA Geoenvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinhill.Manjarrez@GEAcom

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: L1C67951.10
(Use Project name as Project #) ☐
Project Manager: Reinhill Manjarrez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐
Rush (only if pre approved) ☒
Due Date:
# of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Deliverables

☐ NJ Full / Reduced
☐ EQuIS (1 File) ☒ EQuIS (4 File)
☒ Other ASP B

Regulatory Requirement

☐ SRS Residential/Non Residential
☐ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☐ NJ IGW SPLP Leachate Criteria
☒ Other Part 375 Res. Rest

Billing Information

☐ Same as Client Info
PO #

Site Information

Is this site impacted by Petroleum? Yes ☐
Petroleum Product:

For EPH, selection is REQUIRED:
☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:
☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:
Add to SDG L2243951
Please specify Metals or TAL.
* Metals will also be analyzed for total Cyanide & Hex Chrom.

Sample Filtration

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 1,4-Dioxane + TICs 8260	TAL Metals 6010	TAL Cyanide 9014	TAL Pest 8081	TAL Herb 8151	TAL PCB 8082A	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
43951-49	SB-20 (1')	8/18/22	8:50	Soil	JB	X									4
50	SB-20 (0-2')		8:50				X	X							3
51	SB-20 (6')		8:55			X									4
52	SB-20 (3-6')		8:55				X	X							3
53	SB-20 (9')		9:00			X									4
54	SB-20 (7-9')	↓	9:00	↓	↓		X	X	X	X	X	X	X		5

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

	V	A	A	A	A	A	P	A	
Container Type									
Preservative	C	A	A	A	A	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/18/22 15:50	MSMA (ann)	8/18/22 15:50
MSMA (ann)	8/18/22 17:20	Paul Mazzella	8/18/22 17:20
Paul Mazzella	8/18/22		

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

Form No: 01-14 HC (rev. 30-Sept-2013)

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

NEW YORK CHAIN OF CUSTODY

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

Page 1 of 1

Date Rec'd in Lab: 8/19/22

ALPHA Job #: L2243951

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8110
Fax:
Email: Reinhild.Marquez@gza.com

Project Information
Project Name: 101 E 150th St RT
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinhild Marquez
ALPHAQuote #: 19505

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:
Add to 3DG L2243951; keep open
*Metals to be analyzed for total Cyanide & Hex Chrom

Please specify Metals or TAL.

ANALYSIS *
TAL VOCs + 1,4-Dioxane 8260
TAL SVOCs + 1,4-Dioxane 8270
Total TAL Metals Dissolved
PCBs 8082A
1,4-Dioxane

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	TAL VOCs + 1,4-Dioxane 8260	TAL SVOCs + 1,4-Dioxane 8270	Total TAL Metals Dissolved	PCBs 8082A	1,4-Dioxane	Sample Specific Comments	Total Bottle
43951-55	LBC-2	8/14/22	12:15	GW	MJ	X	X	X	X	X		12

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	A		A
Preservative	B	A	C/A	A	A	A		A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/14/22 15:55		8/14/22 15:55
	8/14/22 1705	Paul Mazzella	8/19/22 17:17
Paul Mazzella 8/14/22			8/19/22 2010

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

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2243951

Client Information

Client: Greenmarkwide
Address: 101 W 74th St
NY, NY 10001
Phone: 7172948146
Fax:
Email: Reinbill.Mujwet@

Project Information

Project Name: 101 E 150th St NY
Project Location:
Project #: 41.C162951.N
(Use Project name as Project #) ☐
Project Manager: Reinbill Mujwet
ALPHAQuote #: 195055

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Add to SDG Group L2243951; * Metals to be analyzed for total Cyanide & Hex. Chrom.
close SDG

Please specify Metals or TAL.

MW-5, MW-5-MS, MW-5-MSD

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL VOCs+TICs 8260	TAL SVOCs + TICs 8270	Total Metals* Dissolved-as Listed	Resin 6010	Hex Cr 7196	Cyanides 9014	Phenols 537.1	1,4-Dioxane 8270	Sample Specific Comments	Total Bottle
43951-56	MW-5	8/22/22	10:00	GW		X	X	X	X	X	X	X	X		15
	MW-5-MS		10:02			X	X	X	X	X	X	X	X		15
	MW-5-MSD		10:04			X	X	X	X	X	X	X	X		15
57	DUP-GW-8.22.22					X	X	X	X	X	X	X	X		15
58	Field Blank-GW-02		15:30	Water								X			3

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

Container Type	V	A	P	A	A	A	P	A
Preservative	B	A	CA	A	A	A	A	A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	15:55 8/22/22		8/22/22 1555
	8/22/22 1707		8/22/22 1715
	8/22/22		8/22/22 2300

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 1 of 1

Date Rec'd in Lab: 08/24/22

ALPHA Job # L2243951

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Marquez@gza.com

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Marquez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG L2243951 Okay to close
* Metals analyzed for total cyanide & Hex Chrom

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 10 TICs	TCL SVOCs + 20 TICs	Total TAL Metals *	PCBs 8082	Hg 7470 8151	RCRA 8082A	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
L2243951-54	Field Blank-GW-01	8/24/22	16:00	Water		X	X	X	X	X	X	X	X		14

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	A	P	A
Preservative	B	A	C/A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/22 15:00		8/24/22 17:05
	8/24/22 14:20		8/24/1930
	8/24/22 2120		8/24/22 2120
	8/24/22 2330		8/24/22 2330

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

ANALYTICAL REPORT

Lab Number:	L2244887
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	101 E 151ST STREET RI
Project Number:	41.0162951.10
Report Date:	09/06/22

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2244887-01	SB-21 (2')	SOIL	Not Specified	08/18/22 09:45	08/18/22
L2244887-02	SB-21 (0-2')	SOIL	Not Specified	08/18/22 09:45	08/18/22
L2244887-03	SB-21 (4')	SOIL	Not Specified	08/18/22 09:50	08/18/22
L2244887-04	SB-21 (3-6')	SOIL	Not Specified	08/18/22 09:50	08/18/22
L2244887-05	SB-21 (9')	SOIL	Not Specified	08/18/22 09:55	08/18/22
L2244887-06	SB-21 (7-9')	SOIL	Not Specified	08/18/22 09:55	08/18/22
L2244887-07	SB-23 (2')	SOIL	Not Specified	08/18/22 11:10	08/18/22
L2244887-08	SB-23 (1-3')	SOIL	Not Specified	08/18/22 11:10	08/18/22
L2244887-09	SB-23 (7')	SOIL	Not Specified	08/18/22 11:15	08/18/22
L2244887-10	SB-23 (4-7')	SOIL	Not Specified	08/18/22 11:15	08/18/22
L2244887-11	SB-23 (9.5')	SOIL	Not Specified	08/18/22 11:20	08/18/22
L2244887-12	SB-23 (8-10')	SOIL	Not Specified	08/18/22 11:20	08/18/22
L2244887-13	SB-18 (2')	SOIL	Not Specified	08/18/22 13:45	08/18/22
L2244887-14	SB-18 (0-2')	SOIL	Not Specified	08/18/22 13:45	08/18/22
L2244887-15	SB-18 (4')	SOIL	Not Specified	08/18/22 13:50	08/18/22
L2244887-16	SB-18 (2-4')	SOIL	Not Specified	08/18/22 13:50	08/18/22
L2244887-17	SB-18 (6')	SOIL	Not Specified	08/18/22 13:55	08/18/22
L2244887-18	SB-18 (4-6')	SOIL	Not Specified	08/18/22 13:55	08/18/22
L2244887-19	SB-27 (2')	SOIL	Not Specified	08/18/22 14:40	08/18/22
L2244887-20	SB-27 (0-2')	SOIL	Not Specified	08/18/22 14:40	08/18/22
L2244887-21	SB-27 (7')	SOIL	Not Specified	08/18/22 14:45	08/18/22
L2244887-22	SB-27 (3-7')	SOIL	Not Specified	08/18/22 14:45	08/18/22
L2244887-23	SB-27 (9.5')	SOIL	Not Specified	08/18/22 14:50	08/18/22
L2244887-24	SB-27 (8-10')	SOIL	Not Specified	08/18/22 14:50	08/18/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2244887-25	DUP-SOIL-8.18.22	SOIL	Not Specified	08/18/22 00:00	08/18/22
L2244887-26	TRIP BLANK	WATER	Not Specified	08/18/22 00:00	08/18/22
L2244887-27	WC-05 (1')	SOIL	Not Specified	08/18/22 10:20	08/18/22
L2244887-28	WC-05	SOIL	Not Specified	08/18/22 10:20	08/18/22
L2244887-29	WC-08 (6')	SOIL	Not Specified	08/18/22 11:25	08/18/22
L2244887-30	WC-08	SOIL	Not Specified	08/18/22 11:25	08/18/22
L2244887-31	WC-14 (6')	SOIL	Not Specified	08/18/22 14:55	08/18/22
L2244887-32	WC-14	SOIL	Not Specified	08/18/22 14:55	08/18/22
L2244887-33	WC-04 (1')	SOIL	Not Specified	08/18/22 14:00	08/18/22
L2244887-34	WC-04	SOIL	Not Specified	08/18/22 14:00	08/18/22
L2244887-36	SB-8 (2')	SOIL	Not Specified	08/19/22 09:30	08/19/22
L2244887-37	SB-8 (1-3')	SOIL	Not Specified	08/19/22 09:30	08/19/22
L2244887-38	SB-8 (7')	SOIL	Not Specified	08/19/22 09:35	08/19/22
L2244887-39	SB-8 (4-7')	SOIL	Not Specified	08/19/22 09:35	08/19/22
L2244887-40	SB-8 (10')	SOIL	Not Specified	08/19/22 09:40	08/19/22
L2244887-41	SB-8 (8-10')	SOIL	Not Specified	08/19/22 09:40	08/19/22
L2244887-42	SB-05 (2')	SOIL	Not Specified	08/19/22 12:10	08/19/22
L2244887-43	SB-05 (1-3')	SOIL	Not Specified	08/19/22 12:10	08/19/22
L2244887-44	SB-05 (4')	SOIL	Not Specified	08/19/22 12:15	08/19/22
L2244887-45	SB-05 (4-7')	SOIL	Not Specified	08/19/22 12:15	08/19/22
L2244887-46	SB-05 (9')	SOIL	Not Specified	08/19/22 12:20	08/19/22
L2244887-47	SB-05 (8-10')	SOIL	Not Specified	08/19/22 12:20	08/19/22
L2244887-48	FIELD BLANK-SOIL-8.19.22	WATER	Not Specified	08/19/22 14:15	08/19/22
L2244887-49	TRIP BLANK	WATER	Not Specified	08/19/22 00:00	08/19/22
L2244887-50	WC-12 (6')	SOIL	Not Specified	08/19/22 10:00	08/19/22
L2244887-51	WC-12	SOIL	Not Specified	08/19/22 10:00	08/19/22
L2244887-52	WC-6 (4')	SOIL	Not Specified	08/19/22 12:30	08/19/22
L2244887-53	WC-6	SOIL	Not Specified	08/19/22 12:30	08/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2244887-54	SB-04 (1')	SOIL	Not Specified	08/22/22 08:45	08/22/22
L2244887-55	SB-04 (1-3')	SOIL	Not Specified	08/22/22 08:45	08/22/22

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2244887
Project Number:	41.0162951.10	**Report Date:**	09/06/22

Case Narrative

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

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

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

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

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

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

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2244887
Project Number:	41.0162951.10	**Report Date:**	09/06/22

Case Narrative (continued)

Report Submission

September 06, 2022: This final report includes the results of all requested analyses.

September 01, 2022: This is a preliminary report.

August 29, 2022: This is a preliminary report.

August 29, 2022: This is a preliminary report.

August 26, 2022: This is a preliminary report.

August 25, 2022: This is a preliminary report.

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

Sample Receipt

L2244887-13: The grab sample submitted for Volatile Organics was received without raw soil for the Total Solids analysis. At the client's request, the Total Solids results from the corresponding composite sample was utilized in the dry weight calculation of the Volatile Organics data.

L2244887-28, -30, -32, and -34: The sample was received in an inappropriate container for the TPH - Gasoline Range Organics analysis. An aliquot was taken from an unpreserved container and preserved appropriately.

Semivolatile Organics

L2244887-08D, -20D, -43D, and -45D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1679606-1 Method Blank, associated with L2244887-39, -41, -43D, -45D, and -47, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1679865-1 Method Blank, associated with L2244887-48, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2244887
Project Number:	41.0162951.10	**Report Date:**	09/06/22

Case Narrative (continued)

The WG1680159-1 Method Blank, associated with L2244887-37 and -55, has TIC(s) detected. The results are qualified with a "B" for any associated samples that have detections of the same TIC(s).
The WG1678434-2/-3 LCS/LCSD recoveries, associated with L2244887-02, -04, -06, and -14, 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.
The WG1678664-2/-3 LCS/LCSD recoveries, associated with L2244887-08D, -10, -12, and -16, 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.
The WG1679383-2/-3 LCS/LCSD recoveries, associated with L2244887-18, -22, -24, and -25, 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.
The WG1679606-2/-3 LCS/LCSD recoveries, associated with L2244887-39, -41, -43D, -45D, and -47, 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.
The WG1679769-2/-3 LCS/LCSD recoveries, associated with L2244887-20D, 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.
The WG1680159-3 LCS recovery, associated with L2244887-37 and -55, 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.
The WG1679606-4/-5 MS/MSD recoveries, performed on L2244887-41, 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.

Semivolatile Organics by SIM
L2244887-48: 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.

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The results of both extractions are reported.
L2244887-48RE: The sample has elevated detection limits due to limited sample volume available for analysis. The WG1679871-1 Method Blank, associated with L2244887-48, has concentrations above the reporting limits for Naphthalene. The sample was re-extracted with the method required holding time exceeded and both the sample and method blank were non-detect for this target compound. The results of both extractions are reported. The original sample result is reported with a "B" qualifier.

Perfluorinated Alkyl Acids by Isotope Dilution
L2244887-02, -14, -20, -24, -41, -47, WG1677434-1/-2, WG1678073-1/-2/-3/-4, WG1679228-1, and WG1679228-2: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.
L2244887-06, -12, -14, -24, -25, -37, and -47: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.
L2244887-55R: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.
The Extracted Internal Standard recovery for the WG1677434-1 Method Blank, associated with L2244887-02, -06, -08, -12, -14, -18, -20, -24, and -25, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) and perfluoro[1,2-13C2]tetradecanoic acid (m2pfteda) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.
The Extracted Internal Standard recovery for the WG1678073-1 Method Blank, associated with L2244887-37, -41, -43, and -47, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.
The WG1679228-1 Method Blank, associated with L2244887-55R, has a concentration above the reporting limit for NMeFOSAA and NEtFOSAA. Since the associated sample concentrations are non-detect to the

Case Narrative (continued)

reporting limit, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The Extracted Internal Standard recovery for the WG1679228-1 Method Blank, associated with L2244887-55R, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.

The Extracted Internal Standard recovery for the WG1678073-2 LCS, associated with L2244887-37, -41, -43, and -47, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (4%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

The WG1678073-3 MS recovery, performed on L2244887-41, is outside the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (61%).

WG1679228-2: The Extracted Internal Standard recovery for the WG1679228-2 LCS, associated with L2244887-55R, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (9%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

Total Metals

L2244887-02, -04, -06, -08, -10, -12, -14, -16, -18, -20, -22, -24, -25, -37, -39, -41, -43, -45, -47, and -55: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

The WG1677178-3 MS recoveries for aluminum (806%), iron (3060%), and manganese (242%), performed on L2244887-02, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1677178-3 MS recoveries, performed on L2244887-02, are outside the acceptance criteria for antimony (62%), potassium (172%), and selenium (73%). A post digestion spike was performed and was within acceptance criteria.

The WG1677178-3 MS recoveries, performed on L2244887-02, are outside the acceptance criteria for calcium

Case Narrative (continued)

(128%), copper (152%), and lead (149%). A post digestion spike was performed and yielded unacceptable recoveries for calcium (70%), copper (70%), and lead (60%). The serial dilution recoveries were not acceptable; therefore, these elements fail the matrix test and the results reported in the native sample should be considered estimated.

The WG1677178-3 MS recoveries, performed on L2244887-02, are outside the acceptance criteria for cobalt (73%), nickel (73%), and thallium (57%). A post digestion spike was performed and yielded unacceptable recoveries for cobalt (69%), nickel (69%), and thallium (64%). The serial dilution recoveries were not applicable; therefore, these elements fail the matrix test and the results reported in the native sample should be considered estimated.

The WG1678102-3/-4 MS/MSD recoveries for aluminum (0%/0%), iron (0%/0%), and manganese (0%/0%), performed on L2244887-41, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1678102-3/-4 MS/MSD recoveries, performed on L2244887-41, are outside the acceptance criteria for antimony (62%/62%) and selenium (MSD 71%). A post digestion spike was performed and was within acceptance criteria.

The WG1677174-4 Laboratory Duplicate RPD for mercury (44%), performed on L2244887-02, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1677178-4 Laboratory Duplicate RPD for calcium (26%), performed on L2244887-02, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

The WG1677178-6 serial dilution analysis, associated with L2244887-02, had a %D above the acceptance criteria for aluminum (36%), barium (36%), calcium (40%), copper (32%), iron (43%), lead (38%), magnesium (40%), manganese (41%), and vanadium (35%).

Cyanide, Total

The WG1677865-2/-3 LCS/LCSD recoveries for cyanide, total (65%/72%), associated with L2244887-28, -30,

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-32, and -34, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1677964-2 LCS recovery for cyanide, total (66%), associated with L2244887-02, -04, -06, -08, and -10, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (39%).

The WG1677966-2 LCS recovery for cyanide, total (66%), associated with L2244887-12, -14, and -16, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (39%).

The WG1677967-2 LCS recovery for cyanide, total (77%), associated with L2244887-18, -20, -22, and -24, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/06/22

ORGANICS

VOLATILES

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-01
Client ID: SB-21 (2')
Sample Location: Not Specified
Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 11:56
Analyst: JC
Percent Solids: 95%

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	0.99		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	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	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

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SAMPLE RESULTS

Lab ID: L2244887-01 Date Collected: 08/18/22 09:45

Client ID: SB-21 (2') Date Received: 08/18/22

Sample Location: Not Specified 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	0.56	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	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	4.8	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	0.20	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

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SAMPLE RESULTS

Lab ID: L2244887-01 Date Collected: 08/18/22 09:45

Client ID: SB-21 (2') Date Received: 08/18/22

Sample Location: Not Specified 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	0.33	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	0.38	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	5.0	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-03
Client ID: SB-21 (4')
Sample Location: Not Specified

Date Collected: 08/18/22 09:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 12:19
Analyst: JC
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.71	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	1.7		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

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SAMPLE RESULTS

Lab ID: L2244887-03 Date Collected: 08/18/22 09:50

Client ID: SB-21 (4') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.58		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	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	4.1	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: 101 E 151ST STREET RI **Lab Number:** L2244887

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SAMPLE RESULTS

Lab ID: L2244887-03 Date Collected: 08/18/22 09:50

Client ID: SB-21 (4') Date Received: 08/18/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	119		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-05
Client ID: SB-21 (9')
Sample Location: Not Specified
Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 12:43
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	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	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.76	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	0.30	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	0.27	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	4.3	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-05 Date Collected: 08/18/22 09:55

Client ID: SB-21 (9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	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	0.99	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	0.21	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	0.71	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-05 Date Collected: 08/18/22 09:55

Client ID: SB-21 (9') Date Received: 08/18/22

Sample Location: Not Specified 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	0.30	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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	86		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-07
Client ID: SB-23 (2')
Sample Location: Not Specified
Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 13:06
Analyst: JC
Percent Solids: 95%

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	0.90	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	0.62	1
1,2-Dichloroethane	ND		ug/kg	0.90	0.23	1
1,1,1-Trichloroethane	2.6		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	1.4	0.12	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-07 Date Collected: 08/18/22 11:10

Client ID: SB-23 (2') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.45	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.8	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.8	0.18	1
p/m-Xylene	ND		ug/kg	1.8	0.50	1
o-Xylene	ND		ug/kg	0.90	0.26	1
Xylenes, Total	ND		ug/kg	0.90	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.90	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.21	1
Styrene	ND		ug/kg	0.90	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.0	0.82	1
Acetone	ND		ug/kg	9.0	4.3	1
Carbon disulfide	ND		ug/kg	9.0	4.1	1
2-Butanone	ND		ug/kg	9.0	2.0	1
Vinyl acetate	ND		ug/kg	9.0	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.8	0.11	1
2-Hexanone	ND		ug/kg	9.0	1.1	1
Bromochloromethane	ND		ug/kg	1.8	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.8	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.90	0.25	1
1,3-Dichloropropane	ND		ug/kg	1.8	0.15	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.45	0.12	1
Bromobenzene	ND		ug/kg	1.8	0.13	1
n-Butylbenzene	ND		ug/kg	0.90	0.15	1
sec-Butylbenzene	ND		ug/kg	0.90	0.13	1
tert-Butylbenzene	ND		ug/kg	1.8	0.11	1
o-Chlorotoluene	ND		ug/kg	1.8	0.17	1
p-Chlorotoluene	ND		ug/kg	1.8	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	0.90	1
Hexachlorobutadiene	ND		ug/kg	3.6	0.15	1
Isopropylbenzene	ND		ug/kg	0.90	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.90	0.10	1
Naphthalene	47		ug/kg	3.6	0.58	1
Acrylonitrile	ND		ug/kg	3.6	1.0	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-07 Date Collected: 08/18/22 11:10

Client ID: SB-23 (2') Date Received: 08/18/22

Sample Location: Not Specified 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	90		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-09
Client ID: SB-23 (7')
Sample Location: Not Specified
Date Collected: 08/18/22 11:15
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 13:29
Analyst: JC
Percent Solids: 95%

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

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-09 Date Collected: 08/18/22 11:15

Client ID: SB-23 (7') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-09 Date Collected: 08/18/22 11:15

Client ID: SB-23 (7') Date Received: 08/18/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-11 D2 Date Collected: 08/18/22 11:20
Client ID: SB-23 (9.5') Date Received: 08/18/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 02:25
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	560	250	2
1,1-Dichloroethane	ND		ug/kg	110	16.	2
Chloroform	ND		ug/kg	170	16.	2
Carbon tetrachloride	ND		ug/kg	110	26.	2
1,2-Dichloropropane	ND		ug/kg	110	14.	2
Dibromochloromethane	ND		ug/kg	110	16.	2
1,1,2-Trichloroethane	ND		ug/kg	110	30.	2
Tetrachloroethene	ND		ug/kg	56	22.	2
Chlorobenzene	ND		ug/kg	56	14.	2
Trichlorofluoromethane	ND		ug/kg	440	77.	2
1,2-Dichloroethane	ND		ug/kg	110	28.	2
1,1,1-Trichloroethane	ND		ug/kg	56	18.	2
Bromodichloromethane	ND		ug/kg	56	12.	2
trans-1,3-Dichloropropene	ND		ug/kg	110	30.	2
cis-1,3-Dichloropropene	ND		ug/kg	56	18.	2
1,3-Dichloropropene, Total	ND		ug/kg	56	18.	2
1,1-Dichloropropene	ND		ug/kg	56	18.	2
Bromoform	ND		ug/kg	440	27.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	56	18.	2
Benzene	ND		ug/kg	56	18.	2
Toluene	ND		ug/kg	110	60.	2
Ethylbenzene	990		ug/kg	110	16.	2
Chloromethane	ND		ug/kg	440	100	2
Bromomethane	ND		ug/kg	220	65.	2
Vinyl chloride	ND		ug/kg	110	37.	2
Chloroethane	ND		ug/kg	220	50.	2
1,1-Dichloroethene	ND		ug/kg	110	26.	2
trans-1,2-Dichloroethene	ND		ug/kg	170	15.	2

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-11 D2 Date Collected: 08/18/22 11:20

Client ID: SB-23 (9.5') Date Received: 08/18/22

Sample Location: Not Specified 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	56	15.	2
1,2-Dichlorobenzene	ND		ug/kg	220	16.	2
1,3-Dichlorobenzene	ND		ug/kg	220	16.	2
1,4-Dichlorobenzene	ND		ug/kg	220	19.	2
Methyl tert butyl ether	ND		ug/kg	220	22.	2
p/m-Xylene	820		ug/kg	220	62.	2
o-Xylene	630		ug/kg	110	32.	2
Xylenes, Total	1500		ug/kg	110	32.	2
cis-1,2-Dichloroethene	ND		ug/kg	110	19.	2
1,2-Dichloroethene, Total	ND		ug/kg	110	15.	2
Dibromomethane	ND		ug/kg	220	26.	2
Styrene	ND		ug/kg	110	22.	2
Dichlorodifluoromethane	ND		ug/kg	1100	100	2
Acetone	ND		ug/kg	1100	530	2
Carbon disulfide	ND		ug/kg	1100	500	2
2-Butanone	ND		ug/kg	1100	250	2
Vinyl acetate	ND		ug/kg	1100	240	2
4-Methyl-2-pentanone	ND		ug/kg	1100	140	2
1,2,3-Trichloropropane	ND		ug/kg	220	14.	2
2-Hexanone	ND		ug/kg	1100	130	2
Bromochloromethane	ND		ug/kg	220	23.	2
2,2-Dichloropropane	ND		ug/kg	220	22.	2
1,2-Dibromoethane	ND		ug/kg	110	31.	2
1,3-Dichloropropane	ND		ug/kg	220	18.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	56	15.	2
Bromobenzene	ND		ug/kg	220	16.	2
n-Butylbenzene	16000		ug/kg	110	18.	2
sec-Butylbenzene	8400		ug/kg	110	16.	2
tert-Butylbenzene	680		ug/kg	220	13.	2
o-Chlorotoluene	ND		ug/kg	220	21.	2
p-Chlorotoluene	ND		ug/kg	220	12.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	330	110	2
Hexachlorobutadiene	ND		ug/kg	440	19.	2
Isopropylbenzene	2900		ug/kg	110	12.	2
p-Isopropyltoluene	7800		ug/kg	110	12.	2
Naphthalene	260	J	ug/kg	440	72.	2
Acrylonitrile	ND		ug/kg	440	130	2

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-11 D2 Date Collected: 08/18/22 11:20

Client ID: SB-23 (9.5') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	14000		ug/kg	110	19.	2
1,2,3-Trichlorobenzene	ND		ug/kg	220	36.	2
1,2,4-Trichlorobenzene	ND		ug/kg	220	30.	2
1,3,5-Trimethylbenzene	7100		ug/kg	220	21.	2
1,2,4-Trimethylbenzene	55000	E	ug/kg	220	37.	2
1,4-Dioxane	ND		ug/kg	8900	3900	2
p-Diethylbenzene	34000	E	ug/kg	220	20.	2
p-Ethyltoluene	12000		ug/kg	220	43.	2
1,2,4,5-Tetramethylbenzene	16000		ug/kg	220	21.	2
Ethyl ether	ND		ug/kg	220	38.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	560	160	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	111		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	87		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-11 D
Client ID: SB-23 (9.5')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 13:53
Analyst: JC
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,4-Trimethylbenzene	72000		ug/kg	2200	370	20
p-Diethylbenzene	20000		ug/kg	2200	200	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	87		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-13
Client ID: SB-18 (2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 14:16
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.3	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	0.46		ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.43	0.14	1
Bromodichloromethane	ND		ug/kg	0.43	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.86	0.23	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-13 Date Collected: 08/18/22 13:45

Client ID: SB-18 (2') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.43	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.48	1
o-Xylene	ND		ug/kg	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	ND		ug/kg	8.6	4.1	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	ND		ug/kg	8.6	1.9	1
Vinyl acetate	ND		ug/kg	8.6	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.6	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.6	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.86	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.43	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.12	1
n-Butylbenzene	ND		ug/kg	0.86	0.14	1
sec-Butylbenzene	ND		ug/kg	0.86	0.12	1
tert-Butylbenzene	ND		ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.16	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.86	1
Hexachlorobutadiene	ND		ug/kg	3.4	0.14	1
Isopropylbenzene	ND		ug/kg	0.86	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.86	0.09	1
Naphthalene	ND		ug/kg	3.4	0.56	1
Acrylonitrile	ND		ug/kg	3.4	0.99	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-13 Date Collected: 08/18/22 13:45

Client ID: SB-18 (2') Date Received: 08/18/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-15
Client ID: SB-18 (4')
Sample Location: Not Specified
Date Collected: 08/18/22 13:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 14:40
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	4.9	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	0.62		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	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-15 Date Collected: 08/18/22 13:50

Client ID: SB-18 (4') Date Received: 08/18/22

Sample Location: Not Specified 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	0.49	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-15 Date Collected: 08/18/22 13:50

Client ID: SB-18 (4') Date Received: 08/18/22

Sample Location: Not Specified 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	0.18	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	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-17
Client ID: SB-18 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 15:03
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	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	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	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	1.8		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	1.3		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	0.44	1
Ethylbenzene	ND		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.76	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-17 Date Collected: 08/18/22 13:55
Client ID: SB-18 (6') Date Received: 08/18/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.67		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	0.16	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	0.19	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	ND		ug/kg	8.2	3.9	1
Carbon disulfide	ND		ug/kg	8.2	3.7	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	0.16	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	2.4	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	0.53	1
Acrylonitrile	ND		ug/kg	3.3	0.94	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-17 Date Collected: 08/18/22 13:55

Client ID: SB-18 (6') Date Received: 08/18/22

Sample Location: Not Specified 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	0.27	1
1,4-Dioxane	ND		ug/kg	66	29.	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	4.1	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	90		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-19
Client ID: SB-27 (2')
Sample Location: Not Specified
Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 15:26
Analyst: AJK
Percent Solids: 96%

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	ND		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	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-19 Date Collected: 08/18/22 14:40
Client ID: SB-27 (2') Date Received: 08/18/22
Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-19 Date Collected: 08/18/22 14:40

Client ID: SB-27 (2') Date Received: 08/18/22

Sample Location: Not Specified 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	93		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-21
Client ID: SB-27 (7')
Sample Location: Not Specified
Date Collected: 08/18/22 14:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 21:18
Analyst: JC
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	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	0.25	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	2.1	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	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-21 Date Collected: 08/18/22 14:45
Client ID: SB-27 (7') Date Received: 08/18/22
Sample Location: Not Specified 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	2.1	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	ND		ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	ND		ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	0.65	J	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	2.1	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	0.54	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-21 Date Collected: 08/18/22 14:45

Client ID: SB-27 (7') Date Received: 08/18/22

Sample Location: Not Specified 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	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1

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

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-23
Client ID: SB-27 (9.5')
Sample Location: Not Specified
Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 16:13
Analyst: AJK
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.96	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.96	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.96	0.12	1
Dibromochloromethane	ND		ug/kg	0.96	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.96	0.26	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.67	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	0.89	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-23 Date Collected: 08/18/22 14:50

Client ID: SB-27 (9.5') Date Received: 08/18/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-23 Date Collected: 08/18/22 14:50

Client ID: SB-27 (9.5') Date Received: 08/18/22

Sample Location: Not Specified 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	93		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified
Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 16:37
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	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified 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	0.56	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	0.62	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	0.20	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	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		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	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	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	2.2	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	4.5	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.72	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified 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	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-26
Client ID: TRIP BLANK
Sample Location: Not Specified
Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/19/22 14:11
Analyst: PD

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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-26 Date Collected: 08/18/22 00:00

Client ID: TRIP BLANK Date Received: 08/18/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-26 Date Collected: 08/18/22 00:00

Client ID: TRIP BLANK Date Received: 08/18/22

Sample Location: Not Specified 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	116		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	94		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-27
Client ID: WC-05 (1')
Sample Location: Not Specified

Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 12:04
Analyst: MM

TCLP/SPLP Ext. Date: 08/23/22 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	81		70-130
dibromofluoromethane	106		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-29
Client ID: WC-08 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 12:31
Analyst: MM

TCLP/SPLP Ext. Date: 08/23/22 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	81		70-130
dibromofluoromethane	103		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-31
Client ID: WC-14 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 12:58
Analyst: MM

TCLP/SPLP Ext. Date: 08/23/22 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	80		70-130
dibromofluoromethane	103		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-33
Client ID: WC-04 (1')
Sample Location: Not Specified
Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 13:24
Analyst: MM

TCLP/SPLP Ext. Date: 08/23/22 15:12

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	6.5		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	82		70-130
dibromofluoromethane	104		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-36
Client ID: SB-8 (2')
Sample Location: Not Specified
Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/23/22 23:51
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.7	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	5.9		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	0.95	0.24	1
1,1,1-Trichloroethane	8.8		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	0.22	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-36 Date Collected: 08/19/22 09:30

Client ID: SB-8 (2') Date Received: 08/19/22

Sample Location: Not Specified 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	0.47	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	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.95	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.95	0.18	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-36 Date Collected: 08/19/22 09:30

Client ID: SB-8 (2') Date Received: 08/19/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-38
Client ID: SB-8 (7')
Sample Location: Not Specified
Date Collected: 08/19/22 09:35
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 00:17
Analyst: JC
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	2.1		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	0.70		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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-38 Date Collected: 08/19/22 09:35

Client ID: SB-8 (7') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.14	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	0.59	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-38 Date Collected: 08/19/22 09:35

Client ID: SB-8 (7') Date Received: 08/19/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-40
Client ID: SB-8 (10')
Sample Location: Not Specified
Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 01:10
Analyst: JC
Percent Solids: 94%

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	ND		ug/kg	4.5	0.79	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	0.26	J	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-40 Date Collected: 08/19/22 09:40

Client ID: SB-8 (10') Date Received: 08/19/22

Sample Location: Not Specified 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	0.57	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	ND		ug/kg	2.3	0.64	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		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	ND		ug/kg	11	5.5	1
Carbon disulfide	ND		ug/kg	11	5.2	1
2-Butanone	ND		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	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.74	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-40 Date Collected: 08/19/22 09:40

Client ID: SB-8 (10') Date Received: 08/19/22

Sample Location: Not Specified 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	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	91	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	5.7	1.6	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	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-42
Client ID: SB-05 (2')
Sample Location: Not Specified
Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 01:36
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	340	150	1
1,1-Dichloroethane	ND		ug/kg	67	9.7	1
Chloroform	ND		ug/kg	100	9.4	1
Carbon tetrachloride	ND		ug/kg	67	15.	1
1,2-Dichloropropane	ND		ug/kg	67	8.4	1
Dibromochloromethane	ND		ug/kg	67	9.4	1
1,1,2-Trichloroethane	ND		ug/kg	67	18.	1
Tetrachloroethene	3700		ug/kg	34	13.	1
Chlorobenzene	ND		ug/kg	34	8.5	1
Trichlorofluoromethane	ND		ug/kg	270	47.	1
1,2-Dichloroethane	ND		ug/kg	67	17.	1
1,1,1-Trichloroethane	87		ug/kg	34	11.	1
Bromodichloromethane	ND		ug/kg	34	7.3	1
trans-1,3-Dichloropropene	ND		ug/kg	67	18.	1
cis-1,3-Dichloropropene	ND		ug/kg	34	11.	1
1,3-Dichloropropene, Total	ND		ug/kg	34	11.	1
1,1-Dichloropropene	ND		ug/kg	34	11.	1
Bromoform	ND		ug/kg	270	16.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	34	11.	1
Benzene	ND		ug/kg	34	11.	1
Toluene	ND		ug/kg	67	36.	1
Ethylbenzene	ND		ug/kg	67	9.5	1
Chloromethane	ND		ug/kg	270	62.	1
Bromomethane	ND		ug/kg	130	39.	1
Vinyl chloride	ND		ug/kg	67	22.	1
Chloroethane	ND		ug/kg	130	30.	1
1,1-Dichloroethene	ND		ug/kg	67	16.	1
trans-1,2-Dichloroethene	ND		ug/kg	100	9.2	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-42 Date Collected: 08/19/22 12:10

Client ID: SB-05 (2') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	420		ug/kg	34	9.2	1
1,2-Dichlorobenzene	ND		ug/kg	130	9.7	1
1,3-Dichlorobenzene	ND		ug/kg	130	9.9	1
1,4-Dichlorobenzene	ND		ug/kg	130	11.	1
Methyl tert butyl ether	ND		ug/kg	130	13.	1
p/m-Xylene	ND		ug/kg	130	38.	1
o-Xylene	ND		ug/kg	67	20.	1
Xylenes, Total	ND		ug/kg	67	20.	1
cis-1,2-Dichloroethene	ND		ug/kg	67	12.	1
1,2-Dichloroethene, Total	ND		ug/kg	67	9.2	1
Dibromomethane	ND		ug/kg	130	16.	1
Styrene	ND		ug/kg	67	13.	1
Dichlorodifluoromethane	ND		ug/kg	670	61.	1
Acetone	ND		ug/kg	670	320	1
Carbon disulfide	ND		ug/kg	670	300	1
2-Butanone	ND		ug/kg	670	150	1
Vinyl acetate	ND		ug/kg	670	140	1
4-Methyl-2-pentanone	ND		ug/kg	670	86.	1
1,2,3-Trichloropropane	ND		ug/kg	130	8.5	1
2-Hexanone	ND		ug/kg	670	79.	1
Bromochloromethane	ND		ug/kg	130	14.	1
2,2-Dichloropropane	ND		ug/kg	130	14.	1
1,2-Dibromoethane	ND		ug/kg	67	19.	1
1,3-Dichloropropane	ND		ug/kg	130	11.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	34	8.9	1
Bromobenzene	ND		ug/kg	130	9.7	1
n-Butylbenzene	ND		ug/kg	67	11.	1
sec-Butylbenzene	ND		ug/kg	67	9.8	1
tert-Butylbenzene	ND		ug/kg	130	7.9	1
o-Chlorotoluene	ND		ug/kg	130	13.	1
p-Chlorotoluene	ND		ug/kg	130	7.2	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	200	67.	1
Hexachlorobutadiene	ND		ug/kg	270	11.	1
Isopropylbenzene	ND		ug/kg	67	7.3	1
p-Isopropyltoluene	ND		ug/kg	67	7.3	1
Naphthalene	ND		ug/kg	270	44.	1
Acrylonitrile	ND		ug/kg	270	77.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-42 Date Collected: 08/19/22 12:10
Client ID: SB-05 (2') Date Received: 08/19/22
Sample Location: Not Specified 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	67	11.	1
1,2,3-Trichlorobenzene	ND		ug/kg	130	22.	1
1,2,4-Trichlorobenzene	ND		ug/kg	130	18.	1
1,3,5-Trimethylbenzene	ND		ug/kg	130	13.	1
1,2,4-Trimethylbenzene	ND		ug/kg	130	22.	1
1,4-Dioxane	ND		ug/kg	5400	2400	1
p-Diethylbenzene	ND		ug/kg	130	12.	1
p-Ethyltoluene	ND		ug/kg	130	26.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	130	13.	1
Ethyl ether	ND		ug/kg	130	23.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	340	95.	1
Tentatively Identified Compounds						
Total TIC Compounds	256	J	ug/kg			1
Unknown	256	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-44
Client ID: SB-05 (4')
Sample Location: Not Specified
Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 13:21
Analyst: NLK
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	ND		ug/kg	54	7.8	1
Chloroform	ND		ug/kg	81	7.5	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.7	1
Dibromochloromethane	ND		ug/kg	54	7.5	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	9400		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.8	1
Trichlorofluoromethane	ND		ug/kg	220	37.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	210		ug/kg	27	9.0	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.5	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.5	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	8.9	1
Benzene	ND		ug/kg	27	8.9	1
Toluene	50	J	ug/kg	54	29.	1
Ethylbenzene	ND		ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-44 Date Collected: 08/19/22 12:15

Client ID: SB-05 (4') Date Received: 08/19/22

Sample Location: Not Specified 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	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.2	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	54	9.4	1
1,2-Dichloroethene, Total	ND		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	10.	1
Dichlorodifluoromethane	ND		ug/kg	540	49.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	240	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.8	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.1	1
Bromobenzene	ND		ug/kg	110	7.8	1
n-Butylbenzene	ND		ug/kg	54	9.0	1
sec-Butylbenzene	ND		ug/kg	54	7.9	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.1	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-44 Date Collected: 08/19/22 12:15

Client ID: SB-05 (4') Date Received: 08/19/22

Sample Location: Not Specified 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	54	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.5	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	76.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	115		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	89		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-46
Client ID: SB-05 (9')
Sample Location: Not Specified
Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 00:43
Analyst: JC
Percent Solids: 95%

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	0.51		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	0.55	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-46 Date Collected: 08/19/22 12:20

Client ID: SB-05 (9') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	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	0.20	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-46 Date Collected: 08/19/22 12:20

Client ID: SB-05 (9') Date Received: 08/19/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:01
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified 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	2.23	J	ug/l			1
Cyclotrisiloxane, Hexamethyl-	2.23	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-49
Client ID: TRIP BLANK
Sample Location: Not Specified
Date Collected: 08/19/22 00:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/22/22 09:24
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-49 Date Collected: 08/19/22 00:00

Client ID: TRIP BLANK Date Received: 08/19/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-49 Date Collected: 08/19/22 00:00

Client ID: TRIP BLANK Date Received: 08/19/22

Sample Location: Not Specified 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	1.90	J	ug/l			1
Cyclotrisiloxane, Hexamethyl-	1.90	NJ	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-50
Client ID: WC-12 (6')
Sample Location: Not Specified
Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 10:02
Analyst: MM
Percent Solids: 91%
TCLP/SPLP Ext. Date: 08/24/22 14:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	3.2	J	ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	109		70-130
dibromofluoromethane	106		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-52
Client ID: WC-6 (4')
Sample Location: Not Specified
Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 10:27
Analyst: MM
Percent Solids: 75%
TCLP/SPLP Ext. Date: 08/24/22 14:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	11		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	3.6	J	ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	111		70-130
dibromofluoromethane	107		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-54
Client ID: SB-04 (1')
Sample Location: Not Specified
Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 03:04
Analyst: JC
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	0.39	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	ND		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	ND		ug/kg	0.49	0.16	1
Bromodichloromethane	ND		ug/kg	0.49	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-54 Date Collected: 08/22/22 08:45

Client ID: SB-04 (1') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.26	J	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-54 Date Collected: 08/22/22 08:45

Client ID: SB-04 (1') Date Received: 08/22/22

Sample Location: Not Specified 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	0.18	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	6.62	J	ug/kg			1
Ethane, 1,1-Difluoro-	6.62	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	105		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1678083-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1678083-5					
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/19/22 08:31
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1678083-5					
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	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 48-49 Batch: WG1678361-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 48-49 Batch: WG1678361-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 48-49 Batch: WG1678361-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	3.93	J	ug/l
Unknown	1.00	J	ug/l
Cyclotrisiloxane, Hexamethyl-	2.93	NJ	ug/l

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/22/22 08:37
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 48-49 Batch: WG1678361-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-5					
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-5					
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-5					
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	84		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1678844-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1678844-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 08:47
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1678844-5					
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	84		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	90		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36,38,40,46 Batch: WG1679078-5					
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: 101 E 151ST STREET RI
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Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36,38,40,46 Batch: WG1679078-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36,38,40,46 Batch: WG1679078-5					
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: 101 E 151ST STREET RI
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Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 36,38,40,46 Batch: WG1679078-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI
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Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 42 Batch: WG1679081-5					
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: 101 E 151ST STREET RI
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Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 42 Batch: WG1679081-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 42 Batch: WG1679081-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 19:52
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 42 Batch: WG1679081-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21 Batch: WG1679088-5					
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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21 Batch: WG1679088-5					
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	0.65	J	ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 21 Batch: WG1679088-5					
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	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1679091-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1679091-5					
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	32	J	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 20:39
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 11 Batch: WG1679091-5					
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	95		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44 Batch: WG1679330-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44 Batch: WG1679330-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44 Batch: WG1679330-5					
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	17	J	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 10:18
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 44 Batch: WG1679330-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	91		70-130
4-Bromofluorobenzene	89		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 10:17
Analyst: MM
TCLP/SPLP Extraction Date: 08/23/22 15:12
Extraction Date: 08/23/22 15:12

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 27,29,31,33 Batch: WG1679440-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	89		70-130
4-Bromofluorobenzene	80		70-130
dibromofluoromethane	106		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:17
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 54 Batch: WG1679616-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:17
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 54 Batch: WG1679616-5					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:17
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 54 Batch: WG1679616-5					
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	0.37	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.34	J	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:17
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 54 Batch: WG1679616-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	90		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 08:26
Analyst: MM
TCLP/SPLP Extraction Date: 08/24/22 14:59
Extraction Date: 08/24/22 14:59

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 50,52 Batch: WG1679926-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	112		70-130
dibromofluoromethane	101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1678083-3 WG1678083-4								
Methylene chloride	94		98		70-130	4		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	96		110		63-132	14		20
1,2-Dichloropropane	96		100		70-130	4		20
Dibromochloromethane	89		97		63-130	9		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		120		62-150	18		20
1,2-Dichloroethane	100		110		70-130	10		20
1,1,1-Trichloroethane	96		100		67-130	4		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	95		100		70-130	5		20
cis-1,3-Dichloropropene	92		98		70-130	6		20
1,1-Dichloropropene	100		110		70-130	10		20
Bromoform	91		98		54-136	7		20
1,1,2,2-Tetrachloroethane	100		110		67-130	10		20
Benzene	100		110		70-130	10		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	130		**140**	Q	64-130	7		20
Bromomethane	90		92		39-139	2		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1678083-3 WG1678083-4								
Vinyl chloride	140		140		55-140	0		20
Chloroethane	**220**	Q	**230**	Q	55-138	4		20
1,1-Dichloroethene	100		110		61-145	10		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	94		98		70-130	4		20
1,2-Dichlorobenzene	95		100		70-130	5		20
1,3-Dichlorobenzene	97		100		70-130	3		20
1,4-Dichlorobenzene	98		100		70-130	2		20
Methyl tert butyl ether	87		97		63-130	11		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	95		100		70-130	5		20
cis-1,2-Dichloroethene	94		97		70-130	3		20
Dibromomethane	94		100		70-130	6		20
1,2,3-Trichloropropane	96		110		64-130	14		20
Acrylonitrile	110		120		70-130	9		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	120		140		36-147	15		20
Acetone	110		130		58-148	17		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	82		97		63-138	17		20
Vinyl acetate	**140**	Q	**150**	Q	70-130	7		20
4-Methyl-2-pentanone	93		100		59-130	7		20
2-Hexanone	81		110		57-130	**30**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1678083-3 WG1678083-4								
Bromochloromethane	91		91		70-130	0		20
2,2-Dichloropropane	100		110		63-133	10		20
1,2-Dibromoethane	91		98		70-130	7		20
1,3-Dichloropropane	99		110		70-130	11		20
1,1,1,2-Tetrachloroethane	92		98		64-130	6		20
Bromobenzene	92		98		70-130	6		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	98		99		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	82		90		41-144	9		20
Hexachlorobutadiene	110		100		63-130	10		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	71		81		70-130	13		20
n-Propylbenzene	100		110		69-130	10		20
1,2,3-Trichlorobenzene	83		93		70-130	11		20
1,2,4-Trichlorobenzene	88		94		70-130	7		20
1,3,5-Trimethylbenzene	99		100		64-130	1		20
1,2,4-Trimethylbenzene	96		99		70-130	3		20
1,4-Dioxane	82		92		56-162	11		20
p-Diethylbenzene	100		99		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1678083-3 WG1678083-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	85		89		70-130	5		20
Ethyl ether	87		100		59-134	14		20
trans-1,4-Dichloro-2-butene	73		78		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		112		70-130
Toluene-d8	105		106		70-130
4-Bromofluorobenzene	92		94		70-130
Dibromofluoromethane	98		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 48-49 Batch: WG1678361-3 WG1678361-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	98		100		70-130	2		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		110		75-130	10		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	94		94		70-130	0		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	98		98		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	99		100		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	100		100		54-136	0		20
1,1,2,2-Tetrachloroethane	100		100		67-130	0		20
Benzene	100		100		70-130	0		20
Toluene	110		100		70-130	10		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**59**	Q	**59**	Q	64-130	0		20
Bromomethane	62		63		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 48-49 Batch: WG1678361-3 WG1678361-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		110		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		110		70-130	0		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	100		110		70-130	10		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	92		97		63-130	5		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		100		64-130	3		20
Acrylonitrile	90		88		70-130	2		20
Styrene	105		105		70-130	0		20
Dichlorodifluoromethane	91		93		36-147	2		20
Acetone	110		92		58-148	18		20
Carbon disulfide	110		100		51-130	10		20
2-Butanone	73		79		63-138	8		20
Vinyl acetate	92		96		70-130	4		20
4-Methyl-2-pentanone	88		94		59-130	7		20
2-Hexanone	**150**	Q	100		57-130	**40**	Q	20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 48-49 Batch: WG1678361-3 WG1678361-4								
Bromochloromethane	110		110		70-130	0		20
2,2-Dichloropropane	110		120		63-133	9		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	100		110		53-136	10		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	89		97		41-144	9		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	110		110		70-130	0		20
p-Isopropyltoluene	100		110		70-130	10		20
Naphthalene	72		94		70-130	**27**	Q	20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	74		94		70-130	**24**	Q	20
1,2,4-Trichlorobenzene	88		100		70-130	13		20
1,3,5-Trimethylbenzene	100		100		64-130	0		20
1,2,4-Trimethylbenzene	100		100		70-130	0		20
1,4-Dioxane	90		104		56-162	14		20
p-Diethylbenzene	100		110		70-130	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 48-49 Batch: WG1678361-3 WG1678361-4								
p-Ethyltoluene	110		110		70-130	0		20
1,2,4,5-Tetramethylbenzene	98		100		70-130	2		20
Ethyl ether	95		96		59-134	1		20
trans-1,4-Dichloro-2-butene	110		120		70-130	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	90		92		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	98		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-3 WG1678833-4								
Methylene chloride	86		83		70-130	4		30
1,1-Dichloroethane	89		88		70-130	1		30
Chloroform	83		83		70-130	0		30
Carbon tetrachloride	96		95		70-130	1		30
1,2-Dichloropropane	95		94		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	99		96		70-130	3		30
Tetrachloroethene	97		93		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	80		80		70-139	0		30
1,2-Dichloroethane	74		73		70-130	1		30
1,1,1-Trichloroethane	88		87		70-130	1		30
Bromodichloromethane	84		84		70-130	0		30
trans-1,3-Dichloropropene	98		96		70-130	2		30
cis-1,3-Dichloropropene	87		87		70-130	0		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	98		95		70-130	3		30
1,1,2,2-Tetrachloroethane	100		98		70-130	2		30
Benzene	95		94		70-130	1		30
Toluene	96		93		70-130	3		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	87		87		52-130	0		30
Bromomethane	90		86		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-3 WG1678833-4								
Vinyl chloride	89		87		67-130	2		30
Chloroethane	76		76		50-151	0		30
1,1-Dichloroethene	94		91		65-135	3		30
trans-1,2-Dichloroethene	94		93		70-130	1		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	92		89		70-130	3		30
1,3-Dichlorobenzene	94		92		70-130	2		30
1,4-Dichlorobenzene	94		91		70-130	3		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	98		95		70-130	3		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	84		83		70-130	1		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	70		64		30-146	9		30
Acetone	72		66		54-140	9		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	81		77		70-130	5		30
Vinyl acetate	81		85		70-130	5		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	95		92		68-130	3		30
2-Hexanone	93		86		70-130	8		30
Bromochloromethane	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-3 WG1678833-4								
2,2-Dichloropropane	89		88		70-130	1		30
1,2-Dibromoethane	102		98		70-130	4		30
1,3-Dichloropropane	99		96		69-130	3		30
1,1,1,2-Tetrachloroethane	88		87		70-130	1		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	98		95		70-130	3		30
sec-Butylbenzene	99		95		70-130	4		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	97		95		70-130	2		30
p-Chlorotoluene	98		95		70-130	3		30
1,2-Dibromo-3-chloropropane	98		94		68-130	4		30
Hexachlorobutadiene	98		96		67-130	2		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	101		99		70-130	2		30
Acrylonitrile	98		93		70-130	5		30
n-Propylbenzene	99		96		70-130	3		30
1,2,3-Trichlorobenzene	94		92		70-130	2		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	100		97		70-130	3		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
1,4-Dioxane	88		85		65-136	3		30
p-Diethylbenzene	98		95		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05,07,09,13,15,17,19,23,25 Batch: WG1678833-3 WG1678833-4								
p-Ethyltoluene	101		98		70-130	3		30
1,2,4,5-Tetramethylbenzene	89		87		70-130	2		30
Ethyl ether	99		98		67-130	1		30
trans-1,4-Dichloro-2-butene	86		84		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		78		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	88		87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1678844-3 WG1678844-4								
Methylene chloride	86		83		70-130	4		30
1,1-Dichloroethane	89		88		70-130	1		30
Chloroform	83		83		70-130	0		30
Carbon tetrachloride	96		95		70-130	1		30
1,2-Dichloropropane	95		94		70-130	1		30
Dibromochloromethane	96		94		70-130	2		30
1,1,2-Trichloroethane	99		96		70-130	3		30
Tetrachloroethene	97		93		70-130	4		30
Chlorobenzene	94		92		70-130	2		30
Trichlorofluoromethane	80		80		70-139	0		30
1,2-Dichloroethane	74		73		70-130	1		30
1,1,1-Trichloroethane	88		87		70-130	1		30
Bromodichloromethane	84		84		70-130	0		30
trans-1,3-Dichloropropene	98		96		70-130	2		30
cis-1,3-Dichloropropene	87		87		70-130	0		30
1,1-Dichloropropene	96		95		70-130	1		30
Bromoform	98		95		70-130	3		30
1,1,2,2-Tetrachloroethane	100		98		70-130	2		30
Benzene	95		94		70-130	1		30
Toluene	96		93		70-130	3		30
Ethylbenzene	95		92		70-130	3		30
Chloromethane	87		87		52-130	0		30
Bromomethane	90		86		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1678844-3 WG1678844-4								
Vinyl chloride	89		87		67-130	2		30
Chloroethane	76		76		50-151	0		30
1,1-Dichloroethene	94		91		65-135	3		30
trans-1,2-Dichloroethene	94		93		70-130	1		30
Trichloroethene	97		96		70-130	1		30
1,2-Dichlorobenzene	92		89		70-130	3		30
1,3-Dichlorobenzene	94		92		70-130	2		30
1,4-Dichlorobenzene	94		91		70-130	3		30
Methyl tert butyl ether	95		94		66-130	1		30
p/m-Xylene	98		95		70-130	3		30
o-Xylene	96		94		70-130	2		30
cis-1,2-Dichloroethene	91		91		70-130	0		30
Dibromomethane	84		83		70-130	1		30
Styrene	91		89		70-130	2		30
Dichlorodifluoromethane	70		64		30-146	9		30
Acetone	72		66		54-140	9		30
Carbon disulfide	94		93		59-130	1		30
2-Butanone	81		77		70-130	5		30
Vinyl acetate	81		85		70-130	5		30
4-Methyl-2-pentanone	104		98		70-130	6		30
1,2,3-Trichloropropane	95		92		68-130	3		30
2-Hexanone	93		86		70-130	8		30
Bromochloromethane	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1678844-3 WG1678844-4								
2,2-Dichloropropane	89		88		70-130	1		30
1,2-Dibromoethane	102		98		70-130	4		30
1,3-Dichloropropane	99		96		69-130	3		30
1,1,1,2-Tetrachloroethane	88		87		70-130	1		30
Bromobenzene	95		92		70-130	3		30
n-Butylbenzene	98		95		70-130	3		30
sec-Butylbenzene	99		95		70-130	4		30
tert-Butylbenzene	100		97		70-130	3		30
o-Chlorotoluene	97		95		70-130	2		30
p-Chlorotoluene	98		95		70-130	3		30
1,2-Dibromo-3-chloropropane	98		94		68-130	4		30
Hexachlorobutadiene	98		96		67-130	2		30
Isopropylbenzene	100		97		70-130	3		30
p-Isopropyltoluene	101		98		70-130	3		30
Naphthalene	101		99		70-130	2		30
Acrylonitrile	98		93		70-130	5		30
n-Propylbenzene	99		96		70-130	3		30
1,2,3-Trichlorobenzene	94		92		70-130	2		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	100		97		70-130	3		30
1,2,4-Trimethylbenzene	100		97		70-130	3		30
1,4-Dioxane	88		85		65-136	3		30
p-Diethylbenzene	98		95		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1678844-3 WG1678844-4								
p-Ethyltoluene	101		98		70-130	3		30
1,2,4,5-Tetramethylbenzene	89		87		70-130	2		30
Ethyl ether	99		98		67-130	1		30
trans-1,4-Dichloro-2-butene	86		84		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	79		78		70-130
Toluene-d8	102		99		70-130
4-Bromofluorobenzene	102		101		70-130
Dibromofluoromethane	88		87		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36,38,40,46 Batch: WG1679078-3 WG1679078-4								
Methylene chloride	96		96		70-130	0		30
1,1-Dichloroethane	104		104		70-130	0		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	110		108		70-130	2		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	110		109		70-130	1		30
1,1,2-Trichloroethane	109		108		70-130	1		30
Tetrachloroethene	115		116		70-130	1		30
Chlorobenzene	107		107		70-130	0		30
Trichlorofluoromethane	112		110		70-139	2		30
1,2-Dichloroethane	102		101		70-130	1		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	113		112		70-130	1		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	115		116		70-130	1		30
Bromoform	105		106		70-130	1		30
1,1,2,2-Tetrachloroethane	102		106		70-130	4		30
Benzene	107		109		70-130	2		30
Toluene	108		107		70-130	1		30
Ethylbenzene	111		111		70-130	0		30
Chloromethane	109		110		52-130	1		30
Bromomethane	104		104		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36,38,40,46 Batch: WG1679078-3 WG1679078-4								
Vinyl chloride	120		120		67-130	0		30
Chloroethane	112		112		50-151	0		30
1,1-Dichloroethene	110		112		65-135	2		30
trans-1,2-Dichloroethene	107		107		70-130	0		30
Trichloroethene	113		112		70-130	1		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	107		107		70-130	0		30
1,4-Dichlorobenzene	105		105		70-130	0		30
Methyl tert butyl ether	104		104		66-130	0		30
p/m-Xylene	115		115		70-130	0		30
o-Xylene	116		114		70-130	2		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	104		103		70-130	1		30
Styrene	107		107		70-130	0		30
Dichlorodifluoromethane	117		117		30-146	0		30
Acetone	105		104		54-140	1		30
Carbon disulfide	98		99		59-130	1		30
2-Butanone	108		104		70-130	4		30
Vinyl acetate	104		108		70-130	4		30
4-Methyl-2-pentanone	94		95		70-130	1		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	92		94		70-130	2		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36,38,40,46 Batch: WG1679078-3 WG1679078-4								
2,2-Dichloropropane	111		110		70-130	1		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	106		107		69-130	1		30
1,1,1,2-Tetrachloroethane	110		108		70-130	2		30
Bromobenzene	104		104		70-130	0		30
n-Butylbenzene	114		114		70-130	0		30
sec-Butylbenzene	112		114		70-130	2		30
tert-Butylbenzene	111		112		70-130	1		30
o-Chlorotoluene	105		106		70-130	1		30
p-Chlorotoluene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	102		105		68-130	3		30
Hexachlorobutadiene	108		109		67-130	1		30
Isopropylbenzene	111		112		70-130	1		30
p-Isopropyltoluene	115		116		70-130	1		30
Naphthalene	110		112		70-130	2		30
Acrylonitrile	98		97		70-130	1		30
n-Propylbenzene	110		111		70-130	1		30
1,2,3-Trichlorobenzene	109		110		70-130	1		30
1,2,4-Trichlorobenzene	111		113		70-130	2		30
1,3,5-Trimethylbenzene	109		110		70-130	1		30
1,2,4-Trimethylbenzene	110		110		70-130	0		30
1,4-Dioxane	93		95		65-136	2		30
p-Diethylbenzene	115		116		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 36,38,40,46 Batch: WG1679078-3 WG1679078-4								
p-Ethyltoluene	111		111		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		30
Ethyl ether	106		106		67-130	0		30
trans-1,4-Dichloro-2-butene	106		105		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 42 Batch: WG1679081-3 WG1679081-4								
Methylene chloride	96		96		70-130	0		30
1,1-Dichloroethane	104		104		70-130	0		30
Chloroform	106		104		70-130	2		30
Carbon tetrachloride	110		108		70-130	2		30
1,2-Dichloropropane	105		104		70-130	1		30
Dibromochloromethane	110		109		70-130	1		30
1,1,2-Trichloroethane	109		108		70-130	1		30
Tetrachloroethene	115		116		70-130	1		30
Chlorobenzene	107		107		70-130	0		30
Trichlorofluoromethane	112		110		70-139	2		30
1,2-Dichloroethane	102		101		70-130	1		30
1,1,1-Trichloroethane	111		109		70-130	2		30
Bromodichloromethane	104		105		70-130	1		30
trans-1,3-Dichloropropene	113		112		70-130	1		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	115		116		70-130	1		30
Bromoform	105		106		70-130	1		30
1,1,2,2-Tetrachloroethane	102		106		70-130	4		30
Benzene	107		109		70-130	2		30
Toluene	108		107		70-130	1		30
Ethylbenzene	111		111		70-130	0		30
Chloromethane	109		110		52-130	1		30
Bromomethane	104		104		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 42 Batch: WG1679081-3 WG1679081-4								
Vinyl chloride	120		120		67-130	0		30
Chloroethane	112		112		50-151	0		30
1,1-Dichloroethene	110		112		65-135	2		30
trans-1,2-Dichloroethene	107		107		70-130	0		30
Trichloroethene	113		112		70-130	1		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	107		107		70-130	0		30
1,4-Dichlorobenzene	105		105		70-130	0		30
Methyl tert butyl ether	104		104		66-130	0		30
p/m-Xylene	115		115		70-130	0		30
o-Xylene	116		114		70-130	2		30
cis-1,2-Dichloroethene	105		106		70-130	1		30
Dibromomethane	104		103		70-130	1		30
Styrene	107		107		70-130	0		30
Dichlorodifluoromethane	117		117		30-146	0		30
Acetone	105		104		54-140	1		30
Carbon disulfide	98		99		59-130	1		30
2-Butanone	108		104		70-130	4		30
Vinyl acetate	104		108		70-130	4		30
4-Methyl-2-pentanone	94		95		70-130	1		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	92		94		70-130	2		30
Bromochloromethane	105		106		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 42 Batch: WG1679081-3 WG1679081-4								
2,2-Dichloropropane	111		110		70-130	1		30
1,2-Dibromoethane	100		101		70-130	1		30
1,3-Dichloropropane	106		107		69-130	1		30
1,1,1,2-Tetrachloroethane	110		108		70-130	2		30
Bromobenzene	104		104		70-130	0		30
n-Butylbenzene	114		114		70-130	0		30
sec-Butylbenzene	112		114		70-130	2		30
tert-Butylbenzene	111		112		70-130	1		30
o-Chlorotoluene	105		106		70-130	1		30
p-Chlorotoluene	109		108		70-130	1		30
1,2-Dibromo-3-chloropropane	102		105		68-130	3		30
Hexachlorobutadiene	108		109		67-130	1		30
Isopropylbenzene	111		112		70-130	1		30
p-Isopropyltoluene	115		116		70-130	1		30
Naphthalene	110		112		70-130	2		30
Acrylonitrile	98		97		70-130	1		30
n-Propylbenzene	110		111		70-130	1		30
1,2,3-Trichlorobenzene	109		110		70-130	1		30
1,2,4-Trichlorobenzene	111		113		70-130	2		30
1,3,5-Trimethylbenzene	109		110		70-130	1		30
1,2,4-Trimethylbenzene	110		110		70-130	0		30
1,4-Dioxane	93		95		65-136	2		30
p-Diethylbenzene	115		116		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 42 Batch: WG1679081-3 WG1679081-4								
p-Ethyltoluene	111		111		70-130	0		30
1,2,4,5-Tetramethylbenzene	111		111		70-130	0		30
Ethyl ether	106		106		67-130	0		30
trans-1,4-Dichloro-2-butene	106		105		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		96		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	97		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1679088-3 WG1679088-4								
Methylene chloride	98		98		70-130	0		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	112		113		70-130	1		30
1,2-Dichloropropane	103		105		70-130	2		30
Dibromochloromethane	105		108		70-130	3		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	113		113		70-130	0		30
Chlorobenzene	103		103		70-130	0		30
Trichlorofluoromethane	114		116		70-139	2		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	112		112		70-130	0		30
Bromodichloromethane	105		107		70-130	2		30
trans-1,3-Dichloropropene	101		104		70-130	3		30
cis-1,3-Dichloropropene	108		109		70-130	1		30
1,1-Dichloropropene	111		111		70-130	0		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	98		102		70-130	4		30
Benzene	104		105		70-130	1		30
Toluene	102		102		70-130	0		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	92		91		52-130	1		30
Bromomethane	97		97		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1679088-3 WG1679088-4								
Vinyl chloride	87		88		67-130	1		30
Chloroethane	110		110		50-151	0		30
1,1-Dichloroethene	115		116		65-135	1		30
trans-1,2-Dichloroethene	110		110		70-130	0		30
Trichloroethene	113		113		70-130	0		30
1,2-Dichlorobenzene	101		102		70-130	1		30
1,3-Dichlorobenzene	103		103		70-130	0		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	98		100		66-130	2		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	105		107		70-130	2		30
Dibromomethane	101		104		70-130	3		30
Styrene	92		92		70-130	0		30
Dichlorodifluoromethane	98		99		30-146	1		30
Acetone	99		102		54-140	3		30
Carbon disulfide	102		103		59-130	1		30
2-Butanone	94		100		70-130	6		30
Vinyl acetate	94		97		70-130	3		30
4-Methyl-2-pentanone	102		108		70-130	6		30
1,2,3-Trichloropropane	96		100		68-130	4		30
2-Hexanone	98		102		70-130	4		30
Bromochloromethane	108		111		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1679088-3 WG1679088-4								
2,2-Dichloropropane	114		114		70-130	0		30
1,2-Dibromoethane	104		107		70-130	3		30
1,3-Dichloropropane	98		100		69-130	2		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	104		105		70-130	1		30
n-Butylbenzene	99		99		70-130	0		30
sec-Butylbenzene	106		106		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
o-Chlorotoluene	99		99		70-130	0		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	101		106		68-130	5		30
Hexachlorobutadiene	123		123		67-130	0		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	105		105		70-130	0		30
Naphthalene	105		110		70-130	5		30
Acrylonitrile	91		95		70-130	4		30
n-Propylbenzene	104		104		70-130	0		30
1,2,3-Trichlorobenzene	118		119		70-130	1		30
1,2,4-Trichlorobenzene	113		114		70-130	1		30
1,3,5-Trimethylbenzene	103		103		70-130	0		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	102		109		65-136	7		30
p-Diethylbenzene	103		103		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 21 Batch: WG1679088-3 WG1679088-4								
p-Ethyltoluene	104		104		70-130	0		30
1,2,4,5-Tetramethylbenzene	104		105		70-130	1		30
Ethyl ether	98		101		67-130	3		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	92		94		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1679091-3 WG1679091-4								
Methylene chloride	98		98		70-130	0		30
1,1-Dichloroethane	104		105		70-130	1		30
Chloroform	102		104		70-130	2		30
Carbon tetrachloride	112		113		70-130	1		30
1,2-Dichloropropane	103		105		70-130	2		30
Dibromochloromethane	105		108		70-130	3		30
1,1,2-Trichloroethane	99		102		70-130	3		30
Tetrachloroethene	113		113		70-130	0		30
Chlorobenzene	103		103		70-130	0		30
Trichlorofluoromethane	114		116		70-139	2		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	112		112		70-130	0		30
Bromodichloromethane	105		107		70-130	2		30
trans-1,3-Dichloropropene	101		104		70-130	3		30
cis-1,3-Dichloropropene	108		109		70-130	1		30
1,1-Dichloropropene	111		111		70-130	0		30
Bromoform	91		95		70-130	4		30
1,1,2,2-Tetrachloroethane	98		102		70-130	4		30
Benzene	104		105		70-130	1		30
Toluene	102		102		70-130	0		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	92		91		52-130	1		30
Bromomethane	97		97		57-147	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1679091-3 WG1679091-4								
Vinyl chloride	87		88		67-130	1		30
Chloroethane	110		110		50-151	0		30
1,1-Dichloroethene	115		116		65-135	1		30
trans-1,2-Dichloroethene	110		110		70-130	0		30
Trichloroethene	113		113		70-130	0		30
1,2-Dichlorobenzene	101		102		70-130	1		30
1,3-Dichlorobenzene	103		103		70-130	0		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	98		100		66-130	2		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	103		102		70-130	1		30
cis-1,2-Dichloroethene	105		107		70-130	2		30
Dibromomethane	101		104		70-130	3		30
Styrene	92		92		70-130	0		30
Dichlorodifluoromethane	98		99		30-146	1		30
Acetone	99		102		54-140	3		30
Carbon disulfide	102		103		59-130	1		30
2-Butanone	94		100		70-130	6		30
Vinyl acetate	94		97		70-130	3		30
4-Methyl-2-pentanone	102		108		70-130	6		30
1,2,3-Trichloropropane	96		100		68-130	4		30
2-Hexanone	98		102		70-130	4		30
Bromochloromethane	108		111		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1679091-3 WG1679091-4								
2,2-Dichloropropane	114		114		70-130	0		30
1,2-Dibromoethane	104		107		70-130	3		30
1,3-Dichloropropane	98		100		69-130	2		30
1,1,1,2-Tetrachloroethane	105		106		70-130	1		30
Bromobenzene	104		105		70-130	1		30
n-Butylbenzene	99		99		70-130	0		30
sec-Butylbenzene	106		106		70-130	0		30
tert-Butylbenzene	106		106		70-130	0		30
o-Chlorotoluene	99		99		70-130	0		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	101		106		68-130	5		30
Hexachlorobutadiene	123		123		67-130	0		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	105		105		70-130	0		30
Naphthalene	105		110		70-130	5		30
Acrylonitrile	91		95		70-130	4		30
n-Propylbenzene	104		104		70-130	0		30
1,2,3-Trichlorobenzene	118		119		70-130	1		30
1,2,4-Trichlorobenzene	113		114		70-130	1		30
1,3,5-Trimethylbenzene	103		103		70-130	0		30
1,2,4-Trimethylbenzene	103		103		70-130	0		30
1,4-Dioxane	102		109		65-136	7		30
p-Diethylbenzene	103		103		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 11 Batch: WG1679091-3 WG1679091-4								
p-Ethyltoluene	104		104		70-130	0		30
1,2,4,5-Tetramethylbenzene	104		105		70-130	1		30
Ethyl ether	98		101		67-130	3		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	92		94		70-130
Toluene-d8	96		95		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44 Batch: WG1679330-3 WG1679330-4								
Methylene chloride	86		90		70-130	5		30
1,1-Dichloroethane	82		86		70-130	5		30
Chloroform	73		75		70-130	3		30
Carbon tetrachloride	94		98		70-130	4		30
1,2-Dichloropropane	97		98		70-130	1		30
Dibromochloromethane	90		89		70-130	1		30
1,1,2-Trichloroethane	83		80		70-130	4		30
Tetrachloroethene	103		105		70-130	2		30
Chlorobenzene	91		93		70-130	2		30
Trichlorofluoromethane	83		86		70-139	4		30
1,2-Dichloroethane	80		80		70-130	0		30
1,1,1-Trichloroethane	88		91		70-130	3		30
Bromodichloromethane	85		87		70-130	2		30
trans-1,3-Dichloropropene	80		79		70-130	1		30
cis-1,3-Dichloropropene	89		88		70-130	1		30
1,1-Dichloropropene	93		94		70-130	1		30
Bromoform	88		77		70-130	13		30
1,1,2,2-Tetrachloroethane	94		91		70-130	3		30
Benzene	94		94		70-130	0		30
Toluene	90		91		70-130	1		30
Ethylbenzene	86		89		70-130	3		30
Chloromethane	105		110		52-130	5		30
Bromomethane	104		106		57-147	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44 Batch: WG1679330-3 WG1679330-4								
Vinyl chloride	93		96		67-130	3		30
Chloroethane	105		112		50-151	6		30
1,1-Dichloroethene	85		88		65-135	3		30
trans-1,2-Dichloroethene	84		88		70-130	5		30
Trichloroethene	101		103		70-130	2		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	95		97		70-130	2		30
1,4-Dichlorobenzene	94		96		70-130	2		30
Methyl tert butyl ether	98		94		66-130	4		30
p/m-Xylene	92		95		70-130	3		30
o-Xylene	89		92		70-130	3		30
cis-1,2-Dichloroethene	83		84		70-130	1		30
Dibromomethane	82		81		70-130	1		30
Styrene	90		93		70-130	3		30
Dichlorodifluoromethane	78		79		30-146	1		30
Acetone	92		84		54-140	9		30
Carbon disulfide	92		96		59-130	4		30
2-Butanone	90		80		70-130	12		30
Vinyl acetate	92		88		70-130	4		30
4-Methyl-2-pentanone	103		97		70-130	6		30
1,2,3-Trichloropropane	90		88		68-130	2		30
2-Hexanone	106		98		70-130	8		30
Bromochloromethane	89		92		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44 Batch: WG1679330-3 WG1679330-4								
2,2-Dichloropropane	82		84		70-130	2		30
1,2-Dibromoethane	86		84		70-130	2		30
1,3-Dichloropropane	92		90		69-130	2		30
1,1,1,2-Tetrachloroethane	91		91		70-130	0		30
Bromobenzene	97		96		70-130	1		30
n-Butylbenzene	88		90		70-130	2		30
sec-Butylbenzene	93		95		70-130	2		30
tert-Butylbenzene	96		99		70-130	3		30
o-Chlorotoluene	90		92		70-130	2		30
p-Chlorotoluene	88		89		70-130	1		30
1,2-Dibromo-3-chloropropane	104		95		68-130	9		30
Hexachlorobutadiene	93		88		67-130	6		30
Isopropylbenzene	98		89		70-130	10		30
p-Isopropyltoluene	97		99		70-130	2		30
Naphthalene	100		94		70-130	6		30
Acrylonitrile	103		100		70-130	3		30
n-Propylbenzene	93		94		70-130	1		30
1,2,3-Trichlorobenzene	95		88		70-130	8		30
1,2,4-Trichlorobenzene	96		90		70-130	6		30
1,3,5-Trimethylbenzene	91		92		70-130	1		30
1,2,4-Trimethylbenzene	89		90		70-130	1		30
1,4-Dioxane	99		93		65-136	6		30
p-Diethylbenzene	96		98		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 44 Batch: WG1679330-3 WG1679330-4								
p-Ethyltoluene	95		96		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		90		70-130	6		30
Ethyl ether	88		89		67-130	1		30
trans-1,4-Dichloro-2-butene	98		93		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		78		70-130
Toluene-d8	96		97		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	84		86		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 27,29,31,33 Batch: WG1679440-3 WG1679440-4								
Chloroform	97		100		70-130	3		20
Carbon tetrachloride	100		110		63-132	10		20
Tetrachloroethene	110		120		70-130	9		20
Chlorobenzene	93		98		75-130	5		25
1,2-Dichloroethane	84		91		70-130	8		20
Benzene	100		110		70-130	10		25
Vinyl chloride	110		110		55-140	0		20
1,1-Dichloroethene	110		120		61-145	9		25
Trichloroethene	100		110		70-130	10		25
1,4-Dichlorobenzene	86		92		70-130	7		20
2-Butanone	71		80		63-138	12		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	83		81		70-130
Toluene-d8	88		88		70-130
4-Bromofluorobenzene	80		81		70-130
dibromofluoromethane	100		104		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 54 Batch: WG1679616-3 WG1679616-4								
Methylene chloride	109		81		70-130	29		30
1,1-Dichloroethane	104		79		70-130	27		30
Chloroform	74		73		70-130	1		30
Carbon tetrachloride	105		99		70-130	6		30
1,2-Dichloropropane	95		93		70-130	2		30
Dibromochloromethane	94		93		70-130	1		30
1,1,2-Trichloroethane	82		83		70-130	1		30
Tetrachloroethene	112		110		70-130	2		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	110		103		70-139	7		30
1,2-Dichloroethane	81		78		70-130	4		30
1,1,1-Trichloroethane	94		90		70-130	4		30
Bromodichloromethane	87		85		70-130	2		30
trans-1,3-Dichloropropene	83		83		70-130	0		30
cis-1,3-Dichloropropene	88		87		70-130	1		30
1,1-Dichloropropene	96		92		70-130	4		30
Bromoform	90		90		70-130	0		30
1,1,2,2-Tetrachloroethane	93		93		70-130	0		30
Benzene	94		91		70-130	3		30
Toluene	93		93		70-130	0		30
Ethylbenzene	90		88		70-130	2		30
Chloromethane	115		115		52-130	0		30
Bromomethane	119		113		57-147	5		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 54 Batch: WG1679616-3 WG1679616-4								
Vinyl chloride	100		96		67-130	4		30
Chloroethane	129		120		50-151	7		30
1,1-Dichloroethene	110		84		65-135	27		30
trans-1,2-Dichloroethene	108		83		70-130	26		30
Trichloroethene	102		99		70-130	3		30
1,2-Dichlorobenzene	97		97		70-130	0		30
1,3-Dichlorobenzene	101		98		70-130	3		30
1,4-Dichlorobenzene	99		96		70-130	3		30
Methyl tert butyl ether	118		97		66-130	20		30
p/m-Xylene	98		95		70-130	3		30
o-Xylene	92		92		70-130	0		30
cis-1,2-Dichloroethene	100		81		70-130	21		30
Dibromomethane	79		79		70-130	0		30
Styrene	92		91		70-130	1		30
Dichlorodifluoromethane	86		81		30-146	6		30
Acetone	108		87		54-140	22		30
Carbon disulfide	122		90		59-130	30		30
2-Butanone	72		73		70-130	1		30
Vinyl acetate	121		92		70-130	27		30
4-Methyl-2-pentanone	102		102		70-130	0		30
1,2,3-Trichloropropane	87		88		68-130	1		30
2-Hexanone	101		100		70-130	1		30
Bromochloromethane	88		85		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 54 Batch: WG1679616-3 WG1679616-4								
2,2-Dichloropropane	90		85		70-130	6		30
1,2-Dibromoethane	86		86		70-130	0		30
1,3-Dichloropropane	92		92		69-130	0		30
1,1,1,2-Tetrachloroethane	96		97		70-130	1		30
Bromobenzene	102		99		70-130	3		30
n-Butylbenzene	94		91		70-130	3		30
sec-Butylbenzene	101		97		70-130	4		30
tert-Butylbenzene	104		101		70-130	3		30
o-Chlorotoluene	95		95		70-130	0		30
p-Chlorotoluene	92		89		70-130	3		30
1,2-Dibromo-3-chloropropane	102		118		68-130	15		30
Hexachlorobutadiene	104		112		67-130	7		30
Isopropylbenzene	104		100		70-130	4		30
p-Isopropyltoluene	106		103		70-130	3		30
Naphthalene	103		118		70-130	14		30
Acrylonitrile	115		90		70-130	24		30
n-Propylbenzene	99		96		70-130	3		30
1,2,3-Trichlorobenzene	101		114		70-130	12		30
1,2,4-Trichlorobenzene	104		116		70-130	11		30
1,3,5-Trimethylbenzene	96		98		70-130	2		30
1,2,4-Trimethylbenzene	95		92		70-130	3		30
1,4-Dioxane	95		93		65-136	2		30
p-Diethylbenzene	105		101		70-130	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 54 Batch: WG1679616-3 WG1679616-4								
p-Ethyltoluene	102		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	95		113		70-130	17		30
Ethyl ether	110		84		67-130	27		30
trans-1,4-Dichloro-2-butene	98		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	81		78		70-130
Toluene-d8	97		99		70-130
4-Bromofluorobenzene	96		96		70-130
Dibromofluoromethane	84		82		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 50,52 Batch: WG1679926-3 WG1679926-4								
Chloroform	94		92		70-130	2		20
Carbon tetrachloride	97		96		63-132	1		20
Tetrachloroethene	95		93		70-130	2		20
Chlorobenzene	94		95		75-130	1		25
1,2-Dichloroethane	96		95		70-130	1		20
Benzene	92		92		70-130	0		25
Vinyl chloride	79		76		55-140	4		20
1,1-Dichloroethene	100		99		61-145	1		25
Trichloroethene	92		92		70-130	0		25
1,4-Dichlorobenzene	95		97		70-130	2		20
2-Butanone	95		100		63-138	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		98		70-130
Toluene-d8	105		105		70-130
4-Bromofluorobenzene	101		98		70-130
dibromofluoromethane	99		98		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

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 Client ID: SB-8 (10')	Associated sample(s): 36,38,40,46					QC Batch ID: WG1679078-6			WG1679078-7	QC Sample: L2244887-40		
Methylene chloride	ND	105	92	88		84	79		70-130	9		30
1,1-Dichloroethane	ND	105	100	96		90	85		70-130	12		30
Chloroform	ND	105	95	90		83	79		70-130	13		30
Carbon tetrachloride	ND	105	97	92		81	76		70-130	18		30
1,2-Dichloropropane	ND	105	100	95		91	86		70-130	10		30
Dibromochloromethane	ND	105	90	86		81	76		70-130	11		30
1,1,2-Trichloroethane	ND	105	96	91		88	83		70-130	8		30
Tetrachloroethene	1.1	105	110	99		86	80		70-130	20		30
Chlorobenzene	ND	105	91	87		79	75		70-130	14		30
Trichlorofluoromethane	ND	105	100	96		81	77		70-139	22		30
1,2-Dichloroethane	ND	105	78	74		69	**65**	Q	70-130	12		30
1,1,1-Trichloroethane	0.26J	105	100	95		85	80		70-130	16		30
Bromodichloromethane	ND	105	88	84		79	74		70-130	11		30
trans-1,3-Dichloropropene	ND	105	93	88		82	78		70-130	12		30
cis-1,3-Dichloropropene	ND	105	86	81		77	72		70-130	11		30
1,1-Dichloropropene	ND	105	110	108		97	91		70-130	17		30
Bromoform	ND	105	85	81		80	75		70-130	7		30
1,1,2,2-Tetrachloroethane	ND	105	92	88		86	81		70-130	7		30
Benzene	ND	105	110	101		94	89		70-130	12		30
Toluene	ND	105	100	95		87	82		70-130	14		30
Ethylbenzene	ND	105	96	92		81	76		70-130	17		30
Chloromethane	ND	105	100	97		92	87		52-130	10		30
Bromomethane	ND	105	100	97		90	85		57-147	13		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

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): 36,38,40,46 QC Batch ID: WG1679078-6 WG1679078-7 QC Sample: L2244887-40 Client ID: SB-8 (10')												
Vinyl chloride	ND	105	120	118		110	106		67-130	10		30
Chloroethane	ND	105	120	110		100	95		50-151	14		30
1,1-Dichloroethene	ND	105	120	116		100	98		65-135	16		30
trans-1,2-Dichloroethene	ND	105	110	103		94	89		70-130	14		30
Trichloroethene	ND	105	100	97		87	82		70-130	16		30
1,2-Dichlorobenzene	ND	105	79	75		69	**65**	Q	70-130	13		30
1,3-Dichlorobenzene	ND	105	78	74		66	**63**	Q	70-130	16		30
1,4-Dichlorobenzene	ND	105	75	72		64	**60**	Q	70-130	16		30
Methyl tert butyl ether	ND	105	90	85		81	77		66-130	10		30
p/m-Xylene	ND	210	190	92		160	76		70-130	18		30
o-Xylene	ND	210	190	92		170	79		70-130	15		30
cis-1,2-Dichloroethene	ND	105	100	95		89	84		70-130	11		30
Dibromomethane	ND	105	87	82		78	73		70-130	11		30
Styrene	ND	210	170	81		150	**69**	Q	70-130	15		30
Dichlorodifluoromethane	ND	105	110	103		91	85		30-146	18		30
Acetone	ND	105	76	72		70	66		54-140	9		30
Carbon disulfide	ND	105	110	102		92	87		59-130	15		30
2-Butanone	ND	105	83	79		75	71		70-130	10		30
Vinyl acetate	ND	105	47	**44**	Q	48	**45**	Q	70-130	3		30
4-Methyl-2-pentanone	ND	105	81	77		74	**69**	Q	70-130	9		30
1,2,3-Trichloropropane	ND	105	84	80		77	72		68-130	10		30
2-Hexanone	ND	105	75	71		69	**65**	Q	70-130	8		30
Bromochloromethane	ND	105	92	87		83	78		70-130	10		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

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 Client ID: SB-8 (10')	Associated sample(s): 36,38,40,46					QC Batch ID: WG1679078-6			WG1679078-7	QC Sample: L2244887-40		
2,2-Dichloropropane	ND	105	100	97		85	81		70-130	18		30
1,2-Dibromoethane	ND	105	86	81		78	73		70-130	10		30
1,3-Dichloropropane	ND	105	94	89		86	81		69-130	9		30
1,1,1,2-Tetrachloroethane	ND	105	92	88		81	76		70-130	13		30
Bromobenzene	ND	105	86	82		75	71		70-130	13		30
n-Butylbenzene	ND	105	81	77		63	**60**	Q	70-130	25		30
sec-Butylbenzene	ND	105	92	87		74	70		70-130	21		30
tert-Butylbenzene	ND	105	94	90		78	74		70-130	19		30
o-Chlorotoluene	ND	105	87	82		74	70		70-130	16		30
p-Chlorotoluene	ND	105	83	79		71	**67**	Q	70-130	16		30
1,2-Dibromo-3-chloropropane	ND	105	84	80		78	74		68-130	8		30
Hexachlorobutadiene	ND	105	69	**66**	Q	49	**46**	Q	67-130	**34**	Q	30
Isopropylbenzene	ND	105	99	94		83	78		70-130	17		30
p-Isopropyltoluene	ND	105	88	83		71	**67**	Q	70-130	22		30
Naphthalene	ND	105	83	79		75	71		70-130	10		30
Acrylonitrile	ND	105	80	76		74	70		70-130	7		30
n-Propylbenzene	ND	105	92	87		76	72		70-130	19		30
1,2,3-Trichlorobenzene	ND	105	71	**68**	Q	62	**58**	Q	70-130	14		30
1,2,4-Trichlorobenzene	ND	105	70	**66**	Q	59	**56**	Q	70-130	16		30
1,3,5-Trimethylbenzene	ND	105	89	84		74	70		70-130	19		30
1,2,4-Trimethylbenzene	ND	105	85	81		72	**68**	Q	70-130	17		30
1,4-Dioxane	ND	5250	4400	83		4100	77		65-136	7		30
p-Diethylbenzene	ND	105	83	79		66	**62**	Q	70-130	22		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Client ID: SB-8 (10')	Associated sample(s): 36,38,40,46					QC Batch ID: WG1679078-6			WG1679078-7	QC Sample: L2244887-40		
p-Ethyltoluene	ND	105	89	84		74	70		70-130	18		30
1,2,4,5-Tetramethylbenzene	ND	105	79	75		66	**62**	Q	70-130	19		30
Ethyl ether	ND	105	100	95		90	85		67-130	10		30
trans-1,4-Dichloro-2-butene	ND	105	76	72		68	**64**	Q	70-130	11		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	84		82		70-130
4-Bromofluorobenzene	102		104		70-130
Dibromofluoromethane	91		91		70-130
Toluene-d8	101		101		70-130

SEMIVOLATILES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 06:44
Analyst: LJG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/24/22 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	58	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	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	1100		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	520	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	92	J	ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02 Date Collected: 08/18/22 09:45

Client ID: SB-21 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	650		ug/kg	110	20.	1
Benzo(a)pyrene	600		ug/kg	140	44.	1
Benzo(b)fluoranthene	660		ug/kg	110	30.	1
Benzo(k)fluoranthene	260		ug/kg	110	29.	1
Chrysene	620		ug/kg	110	19.	1
Acenaphthylene	82	J	ug/kg	140	28.	1
Anthracene	180		ug/kg	110	35.	1
Benzo(ghi)perylene	410		ug/kg	140	21.	1
Fluorene	48	J	ug/kg	180	18.	1
Phenanthrene	800		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	78	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	390		ug/kg	140	25.	1
Pyrene	1100		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	41	J	ug/kg	180	17.	1
2-Methylnaphthalene	28	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	59.	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02 Date Collected: 08/18/22 09:45

Client ID: SB-21 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	67	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	63		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	64		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 15:43
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.049	J	ng/g	0.514	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.514	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.257	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.514	0.054	1
Perfluoroheptanoic Acid (PFHpA)	0.069	J	ng/g	0.257	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.257	0.062	1
Perfluorooctanoic Acid (PFOA)	0.561		ng/g	0.257	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.514	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.514	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.257	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.139	J	ng/g	0.257	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.257	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.514	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.514	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.514	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.514	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.514	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.514	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.514	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.514	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.514	0.056	1
PFOA/PFOS, Total	0.700	J	ng/g	0.257	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02 Date Collected: 08/18/22 09:45

Client ID: SB-21 (0-2') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	85		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**28**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	43		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	52		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-04
Client ID: SB-21 (3-6')
Sample Location: Not Specified

Date Collected: 08/18/22 09:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 05:56
Analyst: LJG
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/24/22 00:18

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	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	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	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	24	J	ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-04 Date Collected: 08/18/22 09:50

Client ID: SB-21 (3-6') Date Received: 08/18/22

Sample Location: Not Specified 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	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	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	24	J	ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	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	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	82.	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-04 Date Collected: 08/18/22 09:50

Client ID: SB-21 (3-6') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	60		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	60		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 06:20
Analyst: LJG
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/24/22 00:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	66.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06 Date Collected: 08/18/22 09:55

Client ID: SB-21 (7-9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	ND		ug/kg	200	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	200	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	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	29.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06 Date Collected: 08/18/22 09:55

Client ID: SB-21 (7-9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	200	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
1,4-Dioxane	ND		ug/kg	29	9.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	81		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 16:16
Analyst: SG
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.535	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.535	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.535	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	0.332		ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.535	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.535	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.535	0.307	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.560		ng/g	0.535	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.535	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.535	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.519	J	ng/g	0.535	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.535	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.535	0.219	1
Perfluorotetradecanoic Acid (PFTA)	0.089	JF	ng/g	0.535	0.058	1
PFOA/PFOS, Total	0.332		ng/g	0.267	0.045	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06 Date Collected: 08/18/22 09:55

Client ID: SB-21 (7-9') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	105		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:38
Analyst: SG
Percent Solids: 85%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.535	0.105	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	92		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 16:32
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.522	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.522	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.261	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.522	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.261	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.261	0.063	1
Perfluorooctanoic Acid (PFOA)	0.124	J	ng/g	0.261	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.522	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.522	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.261	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.261	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.261	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.522	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.257	J	ng/g	0.522	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.522	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.522	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.522	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.205	J	ng/g	0.522	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.522	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.522	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.522	0.056	1
PFOA/PFOS, Total	0.124	J	ng/g	0.261	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08 Date Collected: 08/18/22 11:10

Client ID: SB-23 (1-3') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	71		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	48		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	67		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08 D
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 16:32
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	720	94.	5
1,2,4-Trichlorobenzene	ND		ug/kg	900	100	5
Hexachlorobenzene	ND		ug/kg	540	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	810	120	5
2-Chloronaphthalene	ND		ug/kg	900	90.	5
1,2-Dichlorobenzene	ND		ug/kg	900	160	5
1,3-Dichlorobenzene	ND		ug/kg	900	160	5
1,4-Dichlorobenzene	ND		ug/kg	900	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	900	240	5
2,4-Dinitrotoluene	ND		ug/kg	900	180	5
2,6-Dinitrotoluene	ND		ug/kg	900	160	5
Fluoranthene	1700		ug/kg	540	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	900	97.	5
4-Bromophenyl phenyl ether	ND		ug/kg	900	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	980	90.	5
Hexachlorobutadiene	ND		ug/kg	900	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2600	820	5
Hexachloroethane	ND		ug/kg	720	150	5
Isophorone	ND		ug/kg	810	120	5
Naphthalene	ND		ug/kg	900	110	5
Nitrobenzene	ND		ug/kg	810	130	5
NDPA/DPA	ND		ug/kg	720	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	900	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	900	310	5
Butyl benzyl phthalate	ND		ug/kg	900	230	5
Di-n-butylphthalate	ND		ug/kg	900	170	5
Di-n-octylphthalate	ND		ug/kg	900	310	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08 D Date Collected: 08/18/22 11:10
Client ID: SB-23 (1-3') Date Received: 08/18/22
Sample Location: Not Specified 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	900	84.	5
Dimethyl phthalate	ND		ug/kg	900	190	5
Benzo(a)anthracene	910		ug/kg	540	100	5
Benzo(a)pyrene	800		ug/kg	720	220	5
Benzo(b)fluoranthene	1000		ug/kg	540	150	5
Benzo(k)fluoranthene	410	J	ug/kg	540	140	5
Chrysene	940		ug/kg	540	94.	5
Acenaphthylene	ND		ug/kg	720	140	5
Anthracene	230	J	ug/kg	540	180	5
Benzo(ghi)perylene	540	J	ug/kg	720	110	5
Fluorene	ND		ug/kg	900	88.	5
Phenanthrene	1100		ug/kg	540	110	5
Dibenzo(a,h)anthracene	130	J	ug/kg	540	100	5
Indeno(1,2,3-cd)pyrene	420	J	ug/kg	720	120	5
Pyrene	1400		ug/kg	540	90.	5
Biphenyl	ND		ug/kg	2100	120	5
4-Chloroaniline	ND		ug/kg	900	160	5
2-Nitroaniline	ND		ug/kg	900	170	5
3-Nitroaniline	ND		ug/kg	900	170	5
4-Nitroaniline	ND		ug/kg	900	370	5
Dibenzofuran	ND		ug/kg	900	85.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	900	94.	5
Acetophenone	ND		ug/kg	900	110	5
2,4,6-Trichlorophenol	ND		ug/kg	540	170	5
p-Chloro-m-cresol	ND		ug/kg	900	130	5
2-Chlorophenol	ND		ug/kg	900	110	5
2,4-Dichlorophenol	ND		ug/kg	810	140	5
2,4-Dimethylphenol	ND		ug/kg	900	300	5
2-Nitrophenol	ND		ug/kg	2000	340	5
4-Nitrophenol	ND		ug/kg	1300	370	5
2,4-Dinitrophenol	ND		ug/kg	4300	420	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	720	200	5
Phenol	ND		ug/kg	900	140	5
2-Methylphenol	ND		ug/kg	900	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08 D
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
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	900	170	5
Benzoic Acid	ND		ug/kg	2900	910	5
Benzyl Alcohol	ND		ug/kg	900	280	5
Carbazole	160	J	ug/kg	900	88.	5
1,4-Dioxane	ND		ug/kg	140	42.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	45		25-120
Phenol-d6	41		10-120
Nitrobenzene-d5	43		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	46		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-10
Client ID: SB-23 (4-7')
Sample Location: Not Specified

Date Collected: 08/18/22 11:15
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 16:49
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-10 Date Collected: 08/18/22 11:15

Client ID: SB-23 (4-7') Date Received: 08/18/22

Sample Location: Not Specified 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	59.	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-10 Date Collected: 08/18/22 11:15

Client ID: SB-23 (4-7') Date Received: 08/18/22

Sample Location: Not Specified 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	100		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	109		30-120
2,4,6-Tribromophenol	127		10-136
4-Terphenyl-d14	110		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 17:06
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12 Date Collected: 08/18/22 11:20

Client ID: SB-23 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12 Date Collected: 08/18/22 11:20

Client ID: SB-23 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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	93		25-120
Phenol-d6	96		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	86		30-120
2,4,6-Tribromophenol	105		10-136
4-Terphenyl-d14	83		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 16:49
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.253	J	ng/g	0.500	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.250	0.042	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12 Date Collected: 08/18/22 11:20

Client ID: SB-23 (8-10') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	84		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	36		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	54		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:09
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 03:07
Analyst: LJG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/24/22 00:18

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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14 Date Collected: 08/18/22 13:45

Client ID: SB-18 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	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	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14 Date Collected: 08/18/22 13:45

Client ID: SB-18 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	27	8.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	55		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	55		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:05
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.520	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.520	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.520	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	0.060	JF	ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.520	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.520	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.910		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.520	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.520	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.520	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	3.02		ng/g	0.520	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.155	J	ng/g	0.520	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.520	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.520	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.520	0.056	1
PFOA/PFOS, Total	0.970	J	ng/g	0.260	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14 Date Collected: 08/18/22 13:45

Client ID: SB-18 (0-2') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	93		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**27**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	35		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:17
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.520	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-16
Client ID: SB-18 (2-4')
Sample Location: Not Specified

Date Collected: 08/18/22 13:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/24/22 17:23
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:58

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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-16 Date Collected: 08/18/22 13:50
Client ID: SB-18 (2-4') Date Received: 08/18/22
Sample Location: Not Specified 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	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-16 Date Collected: 08/18/22 13:50

Client ID: SB-18 (2-4') Date Received: 08/18/22

Sample Location: Not Specified 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	101		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	106		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 18:35
Analyst: MG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:14

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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18 Date Collected: 08/18/22 13:55

Client ID: SB-18 (4-6') Date Received: 08/18/22

Sample Location: Not Specified 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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18 Date Collected: 08/18/22 13:55

Client ID: SB-18 (4-6') Date Received: 08/18/22

Sample Location: Not Specified 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	48		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	63		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:22
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.494	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.494	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.247	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.494	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.247	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.247	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.247	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.494	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.494	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.247	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	0.879		ng/g	0.247	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.247	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.494	0.284	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.494	0.199	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.494	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.494	0.151	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.494	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.084	J	ng/g	0.494	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.494	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.494	0.202	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.494	0.053	1
PFOA/PFOS, Total	0.879		ng/g	0.247	0.041	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18 Date Collected: 08/18/22 13:55

Client ID: SB-18 (4-6') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	96		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	37		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:38
Analyst: SG
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.046	J	ng/g	0.488	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.488	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.244	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.488	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.244	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.244	0.059	1
Perfluorooctanoic Acid (PFOA)	0.217	JF	ng/g	0.244	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.488	0.175	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.488	0.133	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.244	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.429		ng/g	0.244	0.127	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.244	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.488	0.280	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.488	0.196	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.488	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.488	0.149	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.488	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.120	J	ng/g	0.488	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.488	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.488	0.199	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.488	0.053	1
PFOA/PFOS, Total	0.646	J	ng/g	0.244	0.041	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20 Date Collected: 08/18/22 14:40

Client ID: SB-27 (0-2') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	72		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	76		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	49		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**68**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**74**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	51		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**18**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**26**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	40		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20 D
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 13:36
Analyst: JG
Percent Solids: 95%

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 08/25/22 19:55

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	680	88.	5
1,2,4-Trichlorobenzene	ND		ug/kg	850	97.	5
Hexachlorobenzene	ND		ug/kg	510	95.	5
Bis(2-chloroethyl)ether	ND		ug/kg	760	120	5
2-Chloronaphthalene	ND		ug/kg	850	84.	5
1,2-Dichlorobenzene	ND		ug/kg	850	150	5
1,3-Dichlorobenzene	ND		ug/kg	850	150	5
1,4-Dichlorobenzene	ND		ug/kg	850	150	5
3,3'-Dichlorobenzidine	ND		ug/kg	850	230	5
2,4-Dinitrotoluene	ND		ug/kg	850	170	5
2,6-Dinitrotoluene	ND		ug/kg	850	140	5
Fluoranthene	1400		ug/kg	510	98.	5
4-Chlorophenyl phenyl ether	ND		ug/kg	850	91.	5
4-Bromophenyl phenyl ether	ND		ug/kg	850	130	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1000	140	5
Bis(2-chloroethoxy)methane	ND		ug/kg	920	85.	5
Hexachlorobutadiene	ND		ug/kg	850	120	5
Hexachlorocyclopentadiene	ND		ug/kg	2400	770	5
Hexachloroethane	ND		ug/kg	680	140	5
Isophorone	ND		ug/kg	760	110	5
Naphthalene	ND		ug/kg	850	100	5
Nitrobenzene	ND		ug/kg	760	120	5
NDPA/DPA	ND		ug/kg	680	97.	5
n-Nitrosodi-n-propylamine	ND		ug/kg	850	130	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	850	290	5
Butyl benzyl phthalate	ND		ug/kg	850	210	5
Di-n-butylphthalate	ND		ug/kg	850	160	5
Di-n-octylphthalate	ND		ug/kg	850	290	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20 D Date Collected: 08/18/22 14:40
Client ID: SB-27 (0-2') Date Received: 08/18/22
Sample Location: Not Specified 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	850	79.	5
Dimethyl phthalate	ND		ug/kg	850	180	5
Benzo(a)anthracene	710		ug/kg	510	96.	5
Benzo(a)pyrene	680		ug/kg	680	210	5
Benzo(b)fluoranthene	780		ug/kg	510	140	5
Benzo(k)fluoranthene	290	J	ug/kg	510	140	5
Chrysene	800		ug/kg	510	88.	5
Acenaphthylene	ND		ug/kg	680	130	5
Anthracene	210	J	ug/kg	510	160	5
Benzo(ghi)perylene	430	J	ug/kg	680	100	5
Fluorene	ND		ug/kg	850	83.	5
Phenanthrene	1000		ug/kg	510	100	5
Dibenzo(a,h)anthracene	110	J	ug/kg	510	98.	5
Indeno(1,2,3-cd)pyrene	420	J	ug/kg	680	120	5
Pyrene	1300		ug/kg	510	84.	5
Biphenyl	ND		ug/kg	1900	110	5
4-Chloroaniline	ND		ug/kg	850	150	5
2-Nitroaniline	ND		ug/kg	850	160	5
3-Nitroaniline	ND		ug/kg	850	160	5
4-Nitroaniline	ND		ug/kg	850	350	5
Dibenzofuran	ND		ug/kg	850	80.	5
2-Methylnaphthalene	ND		ug/kg	1000	100	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	850	89.	5
Acetophenone	ND		ug/kg	850	100	5
2,4,6-Trichlorophenol	ND		ug/kg	510	160	5
p-Chloro-m-cresol	ND		ug/kg	850	130	5
2-Chlorophenol	ND		ug/kg	850	100	5
2,4-Dichlorophenol	ND		ug/kg	760	140	5
2,4-Dimethylphenol	ND		ug/kg	850	280	5
2-Nitrophenol	ND		ug/kg	1800	320	5
4-Nitrophenol	ND		ug/kg	1200	350	5
2,4-Dinitrophenol	ND		ug/kg	4100	400	5
4,6-Dinitro-o-cresol	ND		ug/kg	2200	410	5
Pentachlorophenol	ND		ug/kg	680	190	5
Phenol	ND		ug/kg	850	130	5
2-Methylphenol	ND		ug/kg	850	130	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1200	130	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20 D
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
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	850	160	5
Benzoic Acid	ND		ug/kg	2800	860	5
Benzyl Alcohol	ND		ug/kg	850	260	5
Carbazole	ND		ug/kg	850	83.	5
1,4-Dioxane	ND		ug/kg	130	39.	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	88		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	78		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-22
Client ID: SB-27 (3-7')
Sample Location: Not Specified

Date Collected: 08/18/22 14:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 19:22
Analyst: MG
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:14

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	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	110		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	26.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	150	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-22 Date Collected: 08/18/22 14:45
Client ID: SB-27 (3-7') Date Received: 08/18/22
Sample Location: Not Specified 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	60	J	ug/kg	100	19.	1
Benzo(a)pyrene	57	J	ug/kg	140	42.	1
Benzo(b)fluoranthene	66	J	ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	60	J	ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	1
Benzo(ghi)perylene	36	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	85	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	38	J	ug/kg	140	24.	1
Pyrene	100		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-22 Date Collected: 08/18/22 14:45

Client ID: SB-27 (3-7') Date Received: 08/18/22

Sample Location: Not Specified 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	550	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	64		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 19:46
Analyst: MG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:14

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	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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24 Date Collected: 08/18/22 14:50

Client ID: SB-27 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24 Date Collected: 08/18/22 14:50

Client ID: SB-27 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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	71		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	67		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	60		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:55
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.527	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.527	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.263	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.527	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.263	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.263	0.064	1
Perfluorooctanoic Acid (PFOA)	0.072	JF	ng/g	0.263	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.527	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.527	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.263	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.263	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.263	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.527	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.527	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.527	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.527	0.161	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.527	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.527	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.527	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.527	0.057	1
PFOA/PFOS, Total	0.072	J	ng/g	0.263	0.044	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24 Date Collected: 08/18/22 14:50

Client ID: SB-27 (8-10') Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	79		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	37		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	73		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:24
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.527	0.103	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	102		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/25/22 20:09
Analyst: MG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:14

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	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	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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified 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	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	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	60		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	56		30-120
2,4,6-Tribromophenol	51		10-136
4-Terphenyl-d14	53		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 18:12
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.516	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.516	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.516	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	0.073	JF	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.516	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.516	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.516	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.516	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.516	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.516	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.516	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.516	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.516	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.516	0.056	1
PFOA/PFOS, Total	0.073	J	ng/g	0.258	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	62		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	76		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	75		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	51		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 15:31
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.516	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	100		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 11:39
Analyst: IM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

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	57	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	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37 Date Collected: 08/19/22 09:30

Client ID: SB-8 (1-3') Date Received: 08/19/22

Sample Location: Not Specified 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	41	J	ug/kg	110	21.	1
Benzo(a)pyrene	49	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	55	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	47	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	29	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	24	J	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	29	J	ug/kg	150	26.	1
Pyrene	58	J	ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37 Date Collected: 08/19/22 09:30

Client ID: SB-8 (1-3') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	669	J	ug/kg			1
Unknown	218	J	ug/kg			1
Unknown	288	J	ug/kg			1
Unknown	163	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	49		18-120

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 00:56
Analyst: RS
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.535	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.535	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.267	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.535	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.267	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.267	0.065	1
Perfluorooctanoic Acid (PFOA)	0.137	JF	ng/g	0.267	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.535	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.535	0.146	1
Perfluorononanoic Acid (PFNA)	0.120	JF	ng/g	0.267	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	0.159	J	ng/g	0.267	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.267	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.535	0.307	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.535	0.215	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.535	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.535	0.164	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.282	J	ng/g	0.535	0.090	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.535	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.535	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.535	0.058	1
PFOA/PFOS, Total	0.296	J	ng/g	0.267	0.045	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37 Date Collected: 08/19/22 09:30

Client ID: SB-8 (1-3') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	66		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	41		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:15
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.535	0.105	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	82		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39
Client ID: SB-8 (4-7')
Sample Location: Not Specified

Date Collected: 08/19/22 09:35
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 03:32
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	25	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	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	430		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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39 Date Collected: 08/19/22 09:35

Client ID: SB-8 (4-7') Date Received: 08/19/22

Sample Location: Not Specified 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	180		ug/kg	110	20.	1
Benzo(a)pyrene	150		ug/kg	140	43.	1
Benzo(b)fluoranthene	160		ug/kg	110	30.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	28.	1
Chrysene	170		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	69	J	ug/kg	110	35.	1
Benzo(ghi)perylene	85	J	ug/kg	140	21.	1
Fluorene	23	J	ug/kg	180	17.	1
Phenanthrene	370		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	20	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	78	J	ug/kg	140	25.	1
Pyrene	380		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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39 Date Collected: 08/19/22 09:35

Client ID: SB-8 (4-7') Date Received: 08/19/22

Sample Location: Not Specified 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	27	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	1400	J	ug/kg			1
Unknown PAH	67.8	J	ug/kg			1
Unknown	181	J	ug/kg			1
Unknown	214	J	ug/kg			1
Unknown	95.9	J	ug/kg			1
Unknown	40.8	J	ug/kg			1
Unknown Alkane	44.8	J	ug/kg			1
Unknown	39.1	J	ug/kg			1
Unknown	44.0	J	ug/kg			1
Unknown	252	J	ug/kg			1
Unknown Amide	74.9	J	ug/kg			1
Unknown PAH	50.4	J	ug/kg			1
Unknown	91.3	J	ug/kg			1
Unknown PAH	53.3	J	ug/kg			1
Unknown	41.9	J	ug/kg			1
Unknown	105	J	ug/kg			1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39 Date Collected: 08/19/22 09:35

Client ID: SB-8 (4-7') Date Received: 08/19/22

Sample Location: Not Specified 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	91		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	90		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 02:42
Analyst: CMM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

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	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	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	34.	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	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41 Date Collected: 08/19/22 09:40

Client ID: SB-8 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	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	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	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	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41 Date Collected: 08/19/22 09:40

Client ID: SB-8 (8-10') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	942	J	ug/kg			1
Unknown	28.6	J	ug/kg			1
Unknown	46.8	JB	ug/kg			1
Unknown	47.9	J	ug/kg			1
Unknown	62.3	JB	ug/kg			1
Unknown	29.3	J	ug/kg			1
Unknown	37.2	JB	ug/kg			1
Unknown	126	JB	ug/kg			1
Unknown	43.7	JB	ug/kg			1
Unknown	31.0	JB	ug/kg			1
Unknown	135	JB	ug/kg			1
Unknown	32.0	J	ug/kg			1
Unknown	40.6	J	ug/kg			1
Unknown Amide	183	J	ug/kg			1
Unknown	51.7	JB	ug/kg			1
Unknown	46.8	JB	ug/kg			1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41 Date Collected: 08/19/22 09:40

Client ID: SB-8 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	112		25-120
Phenol-d6	112		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	106		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	116		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 01:12
Analyst: RS
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.474	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.474	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.237	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.474	0.050	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.237	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.237	0.057	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.237	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.474	0.170	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.474	0.129	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.237	0.071	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.237	0.123	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.237	0.063	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.474	0.272	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.266	J	ng/g	0.474	0.191	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.474	0.044	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.474	0.145	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.474	0.093	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.672		ng/g	0.474	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.474	0.066	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.474	0.194	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.474	0.051	1
PFOA/PFOS, Total	ND		ng/g	0.237	0.040	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41 Date Collected: 08/19/22 09:40

Client ID: SB-8 (8-10') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	59		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**14**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 02:02
Analyst: RS
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.515	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.515	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.515	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.062	1
Perfluorooctanoic Acid (PFOA)	0.058	JF	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.515	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.515	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	0.269		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.515	0.296	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.515	0.208	1
Perfluoroundecanoic Acid (PFUnA)	0.067	J	ng/g	0.515	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.515	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.515	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.239	J	ng/g	0.515	0.087	1
Perfluorododecanoic Acid (PFDoA)	0.088	JF	ng/g	0.515	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.515	0.211	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.515	0.056	1
PFOA/PFOS, Total	0.327	J	ng/g	0.258	0.043	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 Date Collected: 08/19/22 12:10

Client ID: SB-05 (1-3') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	97		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	80		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 D
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 04:06
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	400	J	ug/kg	710	92.	5
1,2,4-Trichlorobenzene	ND		ug/kg	890	100	5
Hexachlorobenzene	ND		ug/kg	530	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	800	120	5
2-Chloronaphthalene	ND		ug/kg	890	88.	5
1,2-Dichlorobenzene	ND		ug/kg	890	160	5
1,3-Dichlorobenzene	ND		ug/kg	890	150	5
1,4-Dichlorobenzene	ND		ug/kg	890	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	890	240	5
2,4-Dinitrotoluene	ND		ug/kg	890	180	5
2,6-Dinitrotoluene	ND		ug/kg	890	150	5
Fluoranthene	18000		ug/kg	530	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	890	95.	5
4-Bromophenyl phenyl ether	ND		ug/kg	890	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	89.	5
Hexachlorobutadiene	ND		ug/kg	890	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	800	5
Hexachloroethane	ND		ug/kg	710	140	5
Isophorone	ND		ug/kg	800	120	5
Naphthalene	400	J	ug/kg	890	110	5
Nitrobenzene	ND		ug/kg	800	130	5
NDPA/DPA	ND		ug/kg	710	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	890	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	890	310	5
Butyl benzyl phthalate	ND		ug/kg	890	220	5
Di-n-butylphthalate	ND		ug/kg	890	170	5
Di-n-octylphthalate	ND		ug/kg	890	300	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 D Date Collected: 08/19/22 12:10
Client ID: SB-05 (1-3') Date Received: 08/19/22
Sample Location: Not Specified 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	890	82.	5
Dimethyl phthalate	ND		ug/kg	890	190	5
Benzo(a)anthracene	11000		ug/kg	530	100	5
Benzo(a)pyrene	11000		ug/kg	710	220	5
Benzo(b)fluoranthene	11000		ug/kg	530	150	5
Benzo(k)fluoranthene	4900		ug/kg	530	140	5
Chrysene	9200		ug/kg	530	92.	5
Acenaphthylene	630	J	ug/kg	710	140	5
Anthracene	2000		ug/kg	530	170	5
Benzo(ghi)perylene	6700		ug/kg	710	100	5
Fluorene	310	J	ug/kg	890	86.	5
Phenanthrene	8000		ug/kg	530	110	5
Dibenzo(a,h)anthracene	1500		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	6000		ug/kg	710	120	5
Pyrene	17000		ug/kg	530	88.	5
Biphenyl	ND		ug/kg	2000	120	5
4-Chloroaniline	ND		ug/kg	890	160	5
2-Nitroaniline	ND		ug/kg	890	170	5
3-Nitroaniline	ND		ug/kg	890	170	5
4-Nitroaniline	ND		ug/kg	890	370	5
Dibenzofuran	310	J	ug/kg	890	84.	5
2-Methylnaphthalene	140	J	ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	890	93.	5
Acetophenone	ND		ug/kg	890	110	5
2,4,6-Trichlorophenol	ND		ug/kg	530	170	5
p-Chloro-m-cresol	ND		ug/kg	890	130	5
2-Chlorophenol	ND		ug/kg	890	100	5
2,4-Dichlorophenol	ND		ug/kg	800	140	5
2,4-Dimethylphenol	ND		ug/kg	890	290	5
2-Nitrophenol	ND		ug/kg	1900	330	5
4-Nitrophenol	ND		ug/kg	1200	360	5
2,4-Dinitrophenol	ND		ug/kg	4300	410	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	710	200	5
Phenol	ND		ug/kg	890	130	5
2-Methylphenol	ND		ug/kg	890	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 D Date Collected: 08/19/22 12:10
Client ID: SB-05 (1-3') Date Received: 08/19/22
Sample Location: Not Specified 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	890	170	5
Benzoic Acid	ND		ug/kg	2900	900	5
Benzyl Alcohol	ND		ug/kg	890	270	5
Carbazole	450	J	ug/kg	890	86.	5
1,4-Dioxane	ND		ug/kg	130	41.	5
Tentatively Identified Compounds						
Total TIC Compounds	20900	J	ug/kg			5
Unknown PAH	1430	J	ug/kg			5
Unknown PAH	1420	J	ug/kg			5
Unknown PAH	1790	J	ug/kg			5
Unknown PAH	1720	J	ug/kg			5
Unknown PAH	1860	J	ug/kg			5
Unknown PAH	1500	J	ug/kg			5
Tetrachloroethene	1470	NJ	ug/kg			5
Unknown PAH	1030	J	ug/kg			5
Unknown	969	J	ug/kg			5
Unknown	2170	J	ug/kg			5
Unknown PAH	841	J	ug/kg			5
Unknown Ketone	1100	J	ug/kg			5
Unknown PAH	1300	J	ug/kg			5
Unknown	1030	J	ug/kg			5
Unknown PAH	1230	J	ug/kg			5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 D
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
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	95		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	95		30-120
2,4,6-Tribromophenol	101		10-136
4-Terphenyl-d14	87		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-45 D
Client ID: SB-05 (4-7')
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 03:49
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	710	92.	5
1,2,4-Trichlorobenzene	ND		ug/kg	890	100	5
Hexachlorobenzene	ND		ug/kg	530	100	5
Bis(2-chloroethyl)ether	ND		ug/kg	800	120	5
2-Chloronaphthalene	ND		ug/kg	890	88.	5
1,2-Dichlorobenzene	ND		ug/kg	890	160	5
1,3-Dichlorobenzene	ND		ug/kg	890	150	5
1,4-Dichlorobenzene	ND		ug/kg	890	160	5
3,3'-Dichlorobenzidine	ND		ug/kg	890	240	5
2,4-Dinitrotoluene	ND		ug/kg	890	180	5
2,6-Dinitrotoluene	ND		ug/kg	890	150	5
Fluoranthene	470	J	ug/kg	530	100	5
4-Chlorophenyl phenyl ether	ND		ug/kg	890	95.	5
4-Bromophenyl phenyl ether	ND		ug/kg	890	140	5
Bis(2-chloroisopropyl)ether	ND		ug/kg	1100	150	5
Bis(2-chloroethoxy)methane	ND		ug/kg	960	89.	5
Hexachlorobutadiene	ND		ug/kg	890	130	5
Hexachlorocyclopentadiene	ND		ug/kg	2500	800	5
Hexachloroethane	ND		ug/kg	710	140	5
Isophorone	ND		ug/kg	800	120	5
Naphthalene	ND		ug/kg	890	110	5
Nitrobenzene	ND		ug/kg	800	130	5
NDPA/DPA	ND		ug/kg	710	100	5
n-Nitrosodi-n-propylamine	ND		ug/kg	890	140	5
Bis(2-ethylhexyl)phthalate	ND		ug/kg	890	310	5
Butyl benzyl phthalate	ND		ug/kg	890	220	5
Di-n-butylphthalate	ND		ug/kg	890	170	5
Di-n-octylphthalate	ND		ug/kg	890	300	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-45 D
Client ID: SB-05 (4-7')
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
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	890	82.	5
Dimethyl phthalate	ND		ug/kg	890	190	5
Benzo(a)anthracene	260	J	ug/kg	530	100	5
Benzo(a)pyrene	240	J	ug/kg	710	220	5
Benzo(b)fluoranthene	260	J	ug/kg	530	150	5
Benzo(k)fluoranthene	ND		ug/kg	530	140	5
Chrysene	240	J	ug/kg	530	92.	5
Acenaphthylene	ND		ug/kg	710	140	5
Anthracene	ND		ug/kg	530	170	5
Benzo(ghi)perylene	160	J	ug/kg	710	100	5
Fluorene	ND		ug/kg	890	86.	5
Phenanthrene	340	J	ug/kg	530	110	5
Dibenzo(a,h)anthracene	ND		ug/kg	530	100	5
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	710	120	5
Pyrene	440	J	ug/kg	530	88.	5
Biphenyl	ND		ug/kg	2000	120	5
4-Chloroaniline	ND		ug/kg	890	160	5
2-Nitroaniline	ND		ug/kg	890	170	5
3-Nitroaniline	ND		ug/kg	890	170	5
4-Nitroaniline	ND		ug/kg	890	370	5
Dibenzofuran	ND		ug/kg	890	84.	5
2-Methylnaphthalene	ND		ug/kg	1100	110	5
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	890	93.	5
Acetophenone	ND		ug/kg	890	110	5
2,4,6-Trichlorophenol	ND		ug/kg	530	170	5
p-Chloro-m-cresol	ND		ug/kg	890	130	5
2-Chlorophenol	ND		ug/kg	890	100	5
2,4-Dichlorophenol	ND		ug/kg	800	140	5
2,4-Dimethylphenol	ND		ug/kg	890	290	5
2-Nitrophenol	ND		ug/kg	1900	330	5
4-Nitrophenol	ND		ug/kg	1200	360	5
2,4-Dinitrophenol	ND		ug/kg	4300	410	5
4,6-Dinitro-o-cresol	ND		ug/kg	2300	430	5
Pentachlorophenol	ND		ug/kg	710	200	5
Phenol	ND		ug/kg	890	130	5
2-Methylphenol	ND		ug/kg	890	140	5
3-Methylphenol/4-Methylphenol	ND		ug/kg	1300	140	5

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-45 D Date Collected: 08/19/22 12:15
Client ID: SB-05 (4-7') Date Received: 08/19/22
Sample Location: Not Specified 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	890	170	5
Benzoic Acid	ND		ug/kg	2900	900	5
Benzyl Alcohol	ND		ug/kg	890	270	5
Carbazole	ND		ug/kg	890	86.	5
1,4-Dioxane	ND		ug/kg	130	41.	5
Tentatively Identified Compounds						
Total TIC Compounds	613	J	ug/kg			5
Tetrachloroethene	364	NJ	ug/kg			5
Unknown	153	J	ug/kg			5
Unknown PAH	96.0	J	ug/kg			5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	103		25-120
Phenol-d6	102		10-120
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	103		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 01:52
Analyst: CMM
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

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	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	29.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	29.	1
Fluoranthene	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	200	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	59.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47 Date Collected: 08/19/22 12:20

Client ID: SB-05 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	19.	1
Benzo(a)pyrene	ND		ug/kg	140	42.	1
Benzo(b)fluoranthene	ND		ug/kg	100	29.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	ND		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	33.	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	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	56.	1
2-Nitrophenol	ND		ug/kg	370	64.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	820	80.	1
4,6-Dinitro-o-cresol	ND		ug/kg	440	82.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47 Date Collected: 08/19/22 12:20

Client ID: SB-05 (8-10') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	52.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	588	J	ug/kg			1
Unknown	24.3	J	ug/kg			1
Unknown	38.4	JB	ug/kg			1
Unknown	23.6	JB	ug/kg			1
Unknown	25.4	JB	ug/kg			1
Unknown	53.4	J	ug/kg			1
Unknown	28.8	J	ug/kg			1
Unknown	31.9	J	ug/kg			1
Unknown	62.7	JB	ug/kg			1
Unknown	26.0	JB	ug/kg			1
Unknown	52.4	JB	ug/kg			1
Unknown	67.5	JB	ug/kg			1
Unknown	37.7	J	ug/kg			1
Unknown	57.2	J	ug/kg			1
Unknown	27.4	JB	ug/kg			1
Unknown	31.2	JB	ug/kg			1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47 Date Collected: 08/19/22 12:20

Client ID: SB-05 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	87		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	97		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 02:19
Analyst: RS
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.470	0.021	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.470	0.043	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.235	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.470	0.049	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.235	0.042	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.235	0.057	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.235	0.039	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.470	0.169	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.470	0.128	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.235	0.071	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.235	0.122	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.235	0.063	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.470	0.270	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.470	0.190	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.470	0.044	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.470	0.144	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.271	J	ng/g	0.470	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.470	0.066	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.470	0.192	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.470	0.051	1
PFOA/PFOS, Total	ND		ng/g	0.235	0.039	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47 Date Collected: 08/19/22 12:20

Client ID: SB-05 (8-10') Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**52**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**53**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**55**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**71**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**59**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	40		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**51**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**67**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**56**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	37		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**57**	Q	61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**20**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**52**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**19**	Q	24-159

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 17:22
Analyst: SG
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.470	0.092	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/26/22 10:26
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified 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	3.24	J	ug/l			1
Unknown	3.24	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	96		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 17:47
Analyst: DV

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

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	0.31	B	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified 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	64		21-120
Phenol-d6	56		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	113		10-120
4-Terphenyl-d14	98		41-149

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 16:30
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	39		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 20:08
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 06:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.90	0.387	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.90	0.376	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.90	0.226	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.90	0.311	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.90	0.214	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.90	0.357	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.90	0.224	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.90	1.26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.90	0.653	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.90	0.296	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.90	0.478	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.90	0.289	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.90	1.15	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	1.52	J	ng/l	1.90	0.615	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.90	0.247	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.90	0.930	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.90	0.551	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	1.89	J	ng/l	1.90	0.763	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.90	0.353	1
Perfluorotridecanoic Acid (PFTrDA)	0.547	JF	ng/l	1.90	0.311	1
Perfluorotetradecanoic Acid (PFTA)	0.680	JF	ng/l	1.90	0.235	1
PFOA/PFOS, Total	ND		ng/l	1.90	0.224	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	91		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		22-136

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 RE
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 08:33
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						
Acenaphthene	0.04	J	ug/l	0.21	0.03	1
2-Chloronaphthalene	ND		ug/l	0.42	0.04	1
Fluoranthene	ND		ug/l	0.21	0.04	1
Hexachlorobutadiene	ND		ug/l	1.0	0.10	1
Naphthalene	ND		ug/l	0.21	0.10	1
Benzo(a)anthracene	0.06	J	ug/l	0.21	0.04	1
Benzo(a)pyrene	ND		ug/l	0.21	0.03	1
Benzo(b)fluoranthene	0.03	J	ug/l	0.21	0.02	1
Benzo(k)fluoranthene	ND		ug/l	0.21	0.02	1
Chrysene	0.03	J	ug/l	0.21	0.03	1
Acenaphthylene	ND		ug/l	0.21	0.03	1
Anthracene	ND		ug/l	0.21	0.03	1
Benzo(ghi)perylene	ND		ug/l	0.21	0.03	1
Fluorene	0.04	J	ug/l	0.21	0.03	1
Phenanthrene	ND		ug/l	0.21	0.05	1
Dibenzo(a,h)anthracene	ND		ug/l	0.21	0.03	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	0.21	0.03	1
Pyrene	ND		ug/l	0.21	0.04	1
2-Methylnaphthalene	ND		ug/l	0.21	0.05	1
Pentachlorophenol	ND		ug/l	1.7	0.03	1
Hexachlorobenzene	ND		ug/l	1.7	0.02	1
Hexachloroethane	ND		ug/l	1.7	0.13	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 RE
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS-SIM - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	65		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/27/22 21:44
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 02:52

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	42	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	1200		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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55 Date Collected: 08/22/22 08:45

Client ID: SB-04 (1-3') Date Received: 08/22/22

Sample Location: Not Specified 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	640		ug/kg	110	20.	1
Benzo(a)pyrene	700		ug/kg	140	44.	1
Benzo(b)fluoranthene	920		ug/kg	110	30.	1
Benzo(k)fluoranthene	280		ug/kg	110	29.	1
Chrysene	640		ug/kg	110	19.	1
Acenaphthylene	220		ug/kg	140	28.	1
Anthracene	270		ug/kg	110	35.	1
Benzo(ghi)perylene	440		ug/kg	140	21.	1
Fluorene	43	J	ug/kg	180	17.	1
Phenanthrene	550		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	110		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	500		ug/kg	140	25.	1
Pyrene	1100		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	54	J	ug/kg	180	17.	1
2-Methylnaphthalene	80	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	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55 Date Collected: 08/22/22 08:45

Client ID: SB-04 (1-3') Date Received: 08/22/22

Sample Location: Not Specified 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	67	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	1160	J	ug/kg			1
Unknown	193	J	ug/kg			1
Unknown	149	J	ug/kg			1
Unknown PAH	193	J	ug/kg			1
Unknown PAH	626	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	59		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	69		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55 R
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/02/22 13:59
Analyst: MP
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.501	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.501	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.501	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061	1
Perfluorooctanoic Acid (PFOA)	0.066	J	ng/g	0.250	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.501	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.501	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	0.366		ng/g	0.250	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.501	0.287	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.501	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.501	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.501	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.501	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.501	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.501	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.501	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.501	0.054	1
PFOA/PFOS, Total	0.432	J	ng/g	0.250	0.042	1

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55 R
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	75		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 12:57
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677434-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.218	J	ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 12:57
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677434-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**43**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**45**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**53**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**49**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**48**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**53**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	37		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**35**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**45**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**41**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	30		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**28**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**3**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**28**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**9**	Q	24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 14:48
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/19/22 16:45

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677434-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 00:06
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 37,41,43,47 Batch: WG1678073-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.272	J	ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 00:06
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 37,41,43,47 Batch: WG1678073-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**37**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**38**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**60**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**40**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**44**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**62**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	38		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**41**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**56**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**46**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	24		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**43**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**13**	Q	24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 16:53
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/22/22 10:38

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 37,41,43,47 Batch: WG1678073-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 18:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 05:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 48 Batch: WG1678431-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/27/22 18:45
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/23/22 05:25

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 48 Batch: WG1678431-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	73		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		22-136

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 13:23
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/22 05:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14 Batch: WG1678434-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 13:23
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/22 05:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14 Batch: WG1678434-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/23/22 13:23
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/23/22 05:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14 Batch: WG1678434-1					
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	88		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	90		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,16 Batch: WG1678664-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,16 Batch: WG1678664-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/24/22 14:33
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/23/22 12:57

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12,16 Batch: WG1678664-1					
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	99		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	100		30-120
2,4,6-Tribromophenol	117		10-136
4-Terphenyl-d14	116		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 12:21
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 48 Batch: WG1678995-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 06:04
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 55 Batch: WG1679228-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.692		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.687		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	0.226	JF	ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 06:04
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 55 Batch: WG1679228-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**60**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	62		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**62**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	41		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**60**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	30		24-159

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 16:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 55 Batch: WG1679228-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 15:50
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18,22,24-25 Batch: WG1679383-1					
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	19.
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 15:50
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18,22,24-25 Batch: WG1679383-1					
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	61.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 15:50
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 00:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 18,22,24-25 Batch: WG1679383-1					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	77		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 23:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1679606-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 23:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1679606-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 23:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1679606-1					
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			
Total TIC Compounds	454	J	ug/kg
Unknown	22.6	J	ug/kg
Unknown	49.8	J	ug/kg
Unknown	20.0	J	ug/kg
Unknown	87.8	J	ug/kg
Unknown	22.3	J	ug/kg
Unknown	70.1	J	ug/kg
Unknown	21.0	J	ug/kg
Unknown	35.1	J	ug/kg
Unknown	42.6	J	ug/kg

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/25/22 23:39
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/25/22 10:31

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1679606-1					
Tentatively Identified Compounds					
Unknown	37.7	J	ug/kg		
Unknown	18.7	J	ug/kg		
Unknown	25.9	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	92		25-120
Phenol-d6	91		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	98		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 12:25
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 16:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1679769-1					
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	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 12:25
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 16:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1679769-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 12:25
Analyst: JG

Extraction Method: EPA 3546
Extraction Date: 08/25/22 16:33

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 20 Batch: WG1679769-1					
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

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	100		25-120
Phenol-d6	100		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	101		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 48 Batch: WG1679865-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 48 Batch: WG1679865-1					
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 48 Batch: WG1679865-1					
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	12.4	J	ug/l
Unknown Siloxane	1.93	J	ug/l
Unknown	1.74	J	ug/l
Unknown	2.00	J	ug/l
Unknown Alkane	1.60	J	ug/l
Unknown	2.58	J	ug/l

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 08:42
Analyst: JG

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:09

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 48 Batch: WG1679865-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	53		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	117		10-120
4-Terphenyl-d14	99		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 12:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 48 Batch: WG1679871-1					
Acenaphthene	0.02	J	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	0.11		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	0.02	J	ug/l	0.10	0.01
Phenanthrene	0.04	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	0.03	J	ug/l	0.10	0.02
Pentachlorophenol	ND		ug/l	0.80	0.01
Hexachlorobenzene	0.02	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/26/22 12:27
Analyst: ALS

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 21:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 48 Batch: WG1679871-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	58		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	84		15-120
2,4,6-Tribromophenol	**133**	Q	10-120
4-Terphenyl-d14	88		41-149

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:33
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/26/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1680159-1					
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	19.
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:33
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/26/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1680159-1					
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	61.

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:33
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/26/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1680159-1					
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			
Total TIC Compounds	105	J	ug/kg
Unknown	39.9	J	ug/kg
Unknown	22.9	J	ug/kg
Unknown	21.9	J	ug/kg
Unknown	20.3	J	ug/kg

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:33
Analyst: EK

Extraction Method: EPA 3546
Extraction Date: 08/26/22 13:13

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 55 Batch: WG1680159-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	56		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	50		23-120
2-Fluorobiphenyl	53		30-120
2,4,6-Tribromophenol	53		10-136
4-Terphenyl-d14	56		18-120

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 07:45
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 48 Batch: WG1680592-1					
Acenaphthene	0.02	J	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	0.04	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.04	J	ug/l	0.10	0.01
Acenaphthylene	0.02	J	ug/l	0.10	0.01
Anthracene	0.03	J	ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	0.03	J	ug/l	0.10	0.01
Phenanthrene	0.04	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.03	J	ug/l	0.10	0.02
2-Methylnaphthalene	0.03	J	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 07:45
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 48 Batch: WG1680592-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	78		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677434-2								
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	101		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	99		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	103		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	107		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	108		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	100		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	113		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	119		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	106		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	111		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	83		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	113		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	59		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	100		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	86		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	108		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	122		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677434-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**58**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	60				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**63**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**61**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**61**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**64**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**46**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**56**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**53**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	47				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**43**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q			34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**41**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**15**	Q			24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 02,06,08,12,14,18,20,24-25		Batch: WG1677434-2					
Perfluorooctanesulfonamide (FOSA)	96		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	97				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 Batch: WG1678073-2								
Perfluorobutanoic Acid (PFBA)	97		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	100		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	100		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	106		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	106		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	103		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	102		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	132		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	114		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	102		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	72		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	102		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	75		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	98		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	110		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	102		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 Batch: WG1678073-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**46**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**47**	Q			58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**52**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**55**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**73**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**55**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**54**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**68**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**48**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	45				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**55**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**4**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	35				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**50**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**21**	Q			24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 Batch: WG1678073-2								
Perfluorooctanesulfonamide (FOSA)	102		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 48 Batch: WG1678431-2								
Perfluorobutanoic Acid (PFBA)	105		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	106		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	105		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	104		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	106		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	116		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	115		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	109		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	108		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	110		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	102		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	110		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	128		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	92		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	112		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	87		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	113		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	82		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	120		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	115		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 48 Batch: WG1678431-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	96				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	41				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75				22-136

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14 Batch: WG1678434-2 WG1678434-3								
Acenaphthene	77		77		31-137	0		50
1,2,4-Trichlorobenzene	74		70		38-107	6		50
Hexachlorobenzene	79		77		40-140	3		50
Bis(2-chloroethyl)ether	70		66		40-140	6		50
2-Chloronaphthalene	78		78		40-140	0		50
1,2-Dichlorobenzene	70		66		40-140	6		50
1,3-Dichlorobenzene	68		65		40-140	5		50
1,4-Dichlorobenzene	68		66		28-104	3		50
3,3'-Dichlorobenzidine	75		63		40-140	17		50
2,4-Dinitrotoluene	79		79		40-132	0		50
2,6-Dinitrotoluene	81		80		40-140	1		50
Fluoranthene	78		77		40-140	1		50
4-Chlorophenyl phenyl ether	79		79		40-140	0		50
4-Bromophenyl phenyl ether	78		78		40-140	0		50
Bis(2-chloroisopropyl)ether	58		56		40-140	4		50
Bis(2-chloroethoxy)methane	72		70		40-117	3		50
Hexachlorobutadiene	74		73		40-140	1		50
Hexachlorocyclopentadiene	**37**	Q	**35**	Q	40-140	6		50
Hexachloroethane	70		66		40-140	6		50
Isophorone	68		66		40-140	3		50
Naphthalene	75		74		40-140	1		50
Nitrobenzene	70		69		40-140	1		50
NDPA/DPA	79		79		36-157	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14 Batch: WG1678434-2 WG1678434-3								
n-Nitrosodi-n-propylamine	69		66		32-121	4		50
Bis(2-ethylhexyl)phthalate	90		89		40-140	1		50
Butyl benzyl phthalate	79		79		40-140	0		50
Di-n-butylphthalate	80		80		40-140	0		50
Di-n-octylphthalate	87		87		40-140	0		50
Diethyl phthalate	80		80		40-140	0		50
Dimethyl phthalate	78		78		40-140	0		50
Benzo(a)anthracene	81		82		40-140	1		50
Benzo(a)pyrene	80		80		40-140	0		50
Benzo(b)fluoranthene	82		82		40-140	0		50
Benzo(k)fluoranthene	78		77		40-140	1		50
Chrysene	83		83		40-140	0		50
Acenaphthylene	80		79		40-140	1		50
Anthracene	78		77		40-140	1		50
Benzo(ghi)perylene	76		75		40-140	1		50
Fluorene	80		79		40-140	1		50
Phenanthrene	76		75		40-140	1		50
Dibenzo(a,h)anthracene	74		73		40-140	1		50
Indeno(1,2,3-cd)pyrene	83		83		40-140	0		50
Pyrene	78		77		35-142	1		50
Biphenyl	76		74		37-127	3		50
4-Chloroaniline	62		51		40-140	19		50
2-Nitroaniline	81		81		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14 Batch: WG1678434-2 WG1678434-3								
3-Nitroaniline	76		67		26-129	13		50
4-Nitroaniline	76		75		41-125	1		50
Dibenzofuran	79		77		40-140	3		50
2-Methylnaphthalene	78		77		40-140	1		50
1,2,4,5-Tetrachlorobenzene	77		77		40-117	0		50
Acetophenone	68		66		14-144	3		50
2,4,6-Trichlorophenol	80		80		30-130	0		50
p-Chloro-m-cresol	83		82		26-103	1		50
2-Chlorophenol	77		72		25-102	7		50
2,4-Dichlorophenol	82		79		30-130	4		50
2,4-Dimethylphenol	78		75		30-130	4		50
2-Nitrophenol	73		71		30-130	3		50
4-Nitrophenol	79		80		11-114	1		50
2,4-Dinitrophenol	66		66		4-130	0		50
4,6-Dinitro-o-cresol	73		76		10-130	4		50
Pentachlorophenol	57		55		17-109	4		50
Phenol	70		68		26-90	3		50
2-Methylphenol	78		73		30-130.	7		50
3-Methylphenol/4-Methylphenol	84		79		30-130	6		50
2,4,5-Trichlorophenol	83		81		30-130	2		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	74		72		40-140	3		50
Carbazole	79		78		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14 Batch: WG1678434-2 WG1678434-3								
1,4-Dioxane	48		47		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		76		25-120
Phenol-d6	80		77		10-120
Nitrobenzene-d5	73		69		23-120
2-Fluorobiphenyl	80		79		30-120
2,4,6-Tribromophenol	84		81		10-136
4-Terphenyl-d14	76		75		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,16 Batch: WG1678664-2 WG1678664-3								
Acenaphthene	80		78		31-137	3		50
1,2,4-Trichlorobenzene	82		82		38-107	0		50
Hexachlorobenzene	91		91		40-140	0		50
Bis(2-chloroethyl)ether	79		78		40-140	1		50
2-Chloronaphthalene	88		87		40-140	1		50
1,2-Dichlorobenzene	74		74		40-140	0		50
1,3-Dichlorobenzene	72		72		40-140	0		50
1,4-Dichlorobenzene	72		72		28-104	0		50
3,3'-Dichlorobenzidine	78		76		40-140	3		50
2,4-Dinitrotoluene	95		92		40-132	3		50
2,6-Dinitrotoluene	96		95		40-140	1		50
Fluoranthene	90		88		40-140	2		50
4-Chlorophenyl phenyl ether	91		88		40-140	3		50
4-Bromophenyl phenyl ether	94		90		40-140	4		50
Bis(2-chloroisopropyl)ether	93		92		40-140	1		50
Bis(2-chloroethoxy)methane	87		85		40-117	2		50
Hexachlorobutadiene	88		87		40-140	1		50
Hexachlorocyclopentadiene	86		85		40-140	1		50
Hexachloroethane	76		75		40-140	1		50
Isophorone	78		77		40-140	1		50
Naphthalene	81		81		40-140	0		50
Nitrobenzene	80		79		40-140	1		50
NDPA/DPA	88		87		36-157	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,16 Batch: WG1678664-2 WG1678664-3								
n-Nitrosodi-n-propylamine	85		86		32-121	1		50
Bis(2-ethylhexyl)phthalate	102		100		40-140	2		50
Butyl benzyl phthalate	100		96		40-140	4		50
Di-n-butylphthalate	101		98		40-140	3		50
Di-n-octylphthalate	106		102		40-140	4		50
Diethyl phthalate	93		90		40-140	3		50
Dimethyl phthalate	91		89		40-140	2		50
Benzo(a)anthracene	88		86		40-140	2		50
Benzo(a)pyrene	84		82		40-140	2		50
Benzo(b)fluoranthene	88		96		40-140	9		50
Benzo(k)fluoranthene	82		72		40-140	13		50
Chrysene	86		85		40-140	1		50
Acenaphthylene	87		84		40-140	4		50
Anthracene	88		85		40-140	3		50
Benzo(ghi)perylene	80		78		40-140	3		50
Fluorene	88		85		40-140	3		50
Phenanthrene	87		84		40-140	4		50
Dibenzo(a,h)anthracene	82		80		40-140	2		50
Indeno(1,2,3-cd)pyrene	88		85		40-140	3		50
Pyrene	90		88		35-142	2		50
Biphenyl	91		88		37-127	3		50
4-Chloroaniline	56		50		40-140	11		50
2-Nitroaniline	95		92		47-134	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,16 Batch: WG1678664-2 WG1678664-3								
3-Nitroaniline	72		73		26-129	1		50
4-Nitroaniline	90		86		41-125	5		50
Dibenzofuran	87		84		40-140	4		50
2-Methylnaphthalene	89		87		40-140	2		50
1,2,4,5-Tetrachlorobenzene	93		91		40-117	2		50
Acetophenone	80		79		14-144	1		50
2,4,6-Trichlorophenol	98		94		30-130	4		50
p-Chloro-m-cresol	91		90		26-103	1		50
2-Chlorophenol	80		80		25-102	0		50
2,4-Dichlorophenol	90		89		30-130	1		50
2,4-Dimethylphenol	82		82		30-130	0		50
2-Nitrophenol	91		90		30-130	1		50
4-Nitrophenol	95		90		11-114	5		50
2,4-Dinitrophenol	81		83		4-130	2		50
4,6-Dinitro-o-cresol	105		101		10-130	4		50
Pentachlorophenol	91		88		17-109	3		50
Phenol	80		79		26-90	1		50
2-Methylphenol	79		79		30-130.	0		50
3-Methylphenol/4-Methylphenol	81		80		30-130	1		50
2,4,5-Trichlorophenol	102		100		30-130	2		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	89		87		40-140	2		50
Carbazole	89		86		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12,16 Batch: WG1678664-2 WG1678664-3								
1,4-Dioxane	57		57		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	87		86		25-120
Phenol-d6	86		85		10-120
Nitrobenzene-d5	80		76		23-120
2-Fluorobiphenyl	89		87		30-120
2,4,6-Tribromophenol	106		102		10-136
4-Terphenyl-d14	94		92		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 48 Batch: WG1678995-2 WG1678995-3								
1,4-Dioxane	116		116		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	40		39		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 55 Batch: WG1679228-2								
Perfluorobutanoic Acid (PFBA)	101		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	111		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	113		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	109		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	114		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	127		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	127		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	69		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	91		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	108		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	121		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 55 Batch: WG1679228-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	64				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**58**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	27				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 55 Batch: WG1679228-2								
Perfluorooctanesulfonamide (FOSA)	105		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88				10-117

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18,22,24-25 Batch: WG1679383-2 WG1679383-3								
Acenaphthene	70		77		31-137	10		50
1,2,4-Trichlorobenzene	69		75		38-107	8		50
Hexachlorobenzene	70		79		40-140	12		50
Bis(2-chloroethyl)ether	69		75		40-140	8		50
2-Chloronaphthalene	70		78		40-140	11		50
1,2-Dichlorobenzene	66		71		40-140	7		50
1,3-Dichlorobenzene	66		69		40-140	4		50
1,4-Dichlorobenzene	66		68		28-104	3		50
3,3'-Dichlorobenzidine	58		66		40-140	13		50
2,4-Dinitrotoluene	71		82		40-132	14		50
2,6-Dinitrotoluene	70		80		40-140	13		50
Fluoranthene	70		80		40-140	13		50
4-Chlorophenyl phenyl ether	70		78		40-140	11		50
4-Bromophenyl phenyl ether	69		78		40-140	12		50
Bis(2-chloroisopropyl)ether	71		76		40-140	7		50
Bis(2-chloroethoxy)methane	70		78		40-117	11		50
Hexachlorobutadiene	65		69		40-140	6		50
Hexachlorocyclopentadiene	59		62		40-140	5		50
Hexachloroethane	66		67		40-140	2		50
Isophorone	67		76		40-140	13		50
Naphthalene	69		74		40-140	7		50
Nitrobenzene	69		75		40-140	8		50
NDPA/DPA	70		81		36-157	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18,22,24-25 Batch: WG1679383-2 WG1679383-3								
n-Nitrosodi-n-propylamine	70		77		32-121	10		50
Bis(2-ethylhexyl)phthalate	70		77		40-140	10		50
Butyl benzyl phthalate	69		79		40-140	14		50
Di-n-butylphthalate	71		79		40-140	11		50
Di-n-octylphthalate	68		75		40-140	10		50
Diethyl phthalate	69		79		40-140	14		50
Dimethyl phthalate	69		79		40-140	14		50
Benzo(a)anthracene	69		78		40-140	12		50
Benzo(a)pyrene	70		79		40-140	12		50
Benzo(b)fluoranthene	72		79		40-140	9		50
Benzo(k)fluoranthene	69		78		40-140	12		50
Chrysene	70		77		40-140	10		50
Acenaphthylene	70		78		40-140	11		50
Anthracene	71		80		40-140	12		50
Benzo(ghi)perylene	70		78		40-140	11		50
Fluorene	70		79		40-140	12		50
Phenanthrene	69		78		40-140	12		50
Dibenzo(a,h)anthracene	70		78		40-140	11		50
Indeno(1,2,3-cd)pyrene	74		84		40-140	13		50
Pyrene	70		82		35-142	16		50
Biphenyl	69		78		37-127	12		50
4-Chloroaniline	71		53		40-140	29		50
2-Nitroaniline	69		80		47-134	15		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18,22,24-25 Batch: WG1679383-2 WG1679383-3								
3-Nitroaniline	60		68		26-129	13		50
4-Nitroaniline	71		81		41-125	13		50
Dibenzofuran	70		79		40-140	12		50
2-Methylnaphthalene	70		77		40-140	10		50
1,2,4,5-Tetrachlorobenzene	68		75		40-117	10		50
Acetophenone	67		73		14-144	9		50
2,4,6-Trichlorophenol	70		80		30-130	13		50
p-Chloro-m-cresol	73		83		26-103	13		50
2-Chlorophenol	72		79		25-102	9		50
2,4-Dichlorophenol	73		84		30-130	14		50
2,4-Dimethylphenol	75		83		30-130	10		50
2-Nitrophenol	67		75		30-130	11		50
4-Nitrophenol	77		86		11-114	11		50
2,4-Dinitrophenol	36		31		4-130	15		50
4,6-Dinitro-o-cresol	61		61		10-130	0		50
Pentachlorophenol	56		50		17-109	11		50
Phenol	75		84		26-90	11		50
2-Methylphenol	74		82		30-130.	10		50
3-Methylphenol/4-Methylphenol	73		82		30-130	12		50
2,4,5-Trichlorophenol	72		82		30-130	13		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	71		79		40-140	11		50
Carbazole	71		81		54-128	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 18,22,24-25 Batch: WG1679383-2 WG1679383-3								
1,4-Dioxane	47		49		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		86		25-120
Phenol-d6	76		89		10-120
Nitrobenzene-d5	70		81		23-120
2-Fluorobiphenyl	69		82		30-120
2,4,6-Tribromophenol	66		79		10-136
4-Terphenyl-d14	69		86		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1679606-2 WG1679606-3								
Acenaphthene	89		91		31-137	2		50
1,2,4-Trichlorobenzene	90		90		38-107	0		50
Hexachlorobenzene	97		96		40-140	1		50
Bis(2-chloroethyl)ether	90		92		40-140	2		50
2-Chloronaphthalene	93		97		40-140	4		50
1,2-Dichlorobenzene	86		86		40-140	0		50
1,3-Dichlorobenzene	83		83		40-140	0		50
1,4-Dichlorobenzene	83		84		28-104	1		50
3,3'-Dichlorobenzidine	77		82		40-140	6		50
2,4-Dinitrotoluene	106		106		40-132	0		50
2,6-Dinitrotoluene	98		101		40-140	3		50
Fluoranthene	100		102		40-140	2		50
4-Chlorophenyl phenyl ether	98		99		40-140	1		50
4-Bromophenyl phenyl ether	95		98		40-140	3		50
Bis(2-chloroisopropyl)ether	116		116		40-140	0		50
Bis(2-chloroethoxy)methane	95		97		40-117	2		50
Hexachlorobutadiene	92		96		40-140	4		50
Hexachlorocyclopentadiene	92		95		40-140	3		50
Hexachloroethane	90		92		40-140	2		50
Isophorone	87		90		40-140	3		50
Naphthalene	90		93		40-140	3		50
Nitrobenzene	91		93		40-140	2		50
NDPA/DPA	97		100		36-157	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1679606-2 WG1679606-3								
n-Nitrosodi-n-propylamine	98		102		32-121	4		50
Bis(2-ethylhexyl)phthalate	115		114		40-140	1		50
Butyl benzyl phthalate	113		114		40-140	1		50
Di-n-butylphthalate	112		114		40-140	2		50
Di-n-octylphthalate	119		116		40-140	3		50
Diethyl phthalate	101		104		40-140	3		50
Dimethyl phthalate	93		96		40-140	3		50
Benzo(a)anthracene	100		100		40-140	0		50
Benzo(a)pyrene	98		96		40-140	2		50
Benzo(b)fluoranthene	93		98		40-140	5		50
Benzo(k)fluoranthene	105		98		40-140	7		50
Chrysene	101		101		40-140	0		50
Acenaphthylene	92		94		40-140	2		50
Anthracene	101		102		40-140	1		50
Benzo(ghi)perylene	91		93		40-140	2		50
Fluorene	97		99		40-140	2		50
Phenanthrene	99		102		40-140	3		50
Dibenzo(a,h)anthracene	95		98		40-140	3		50
Indeno(1,2,3-cd)pyrene	101		102		40-140	1		50
Pyrene	100		102		35-142	2		50
Biphenyl	94		98		37-127	4		50
4-Chloroaniline	55		62		40-140	12		50
2-Nitroaniline	100		105		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1679606-2 WG1679606-3								
3-Nitroaniline	78		84		26-129	7		50
4-Nitroaniline	100		104		41-125	4		50
Dibenzofuran	96		98		40-140	2		50
2-Methylnaphthalene	94		99		40-140	5		50
1,2,4,5-Tetrachlorobenzene	95		98		40-117	3		50
Acetophenone	88		92		14-144	4		50
2,4,6-Trichlorophenol	98		102		30-130	4		50
p-Chloro-m-cresol	98		102		26-103	4		50
2-Chlorophenol	90		94		25-102	4		50
2,4-Dichlorophenol	94		98		30-130	4		50
2,4-Dimethylphenol	92		93		30-130	1		50
2-Nitrophenol	99		102		30-130	3		50
4-Nitrophenol	112		111		11-114	1		50
2,4-Dinitrophenol	78		79		4-130	1		50
4,6-Dinitro-o-cresol	106		107		10-130	1		50
Pentachlorophenol	84		85		17-109	1		50
Phenol	**91**	Q	**94**	Q	26-90	3		50
2-Methylphenol	91		93		30-130.	2		50
3-Methylphenol/4-Methylphenol	90		94		30-130	4		50
2,4,5-Trichlorophenol	101		108		30-130	7		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	100		104		40-140	4		50
Carbazole	103		104		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1679606-2 WG1679606-3								
1,4-Dioxane	76		76		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	100		101		25-120
Phenol-d6	103		104		10-120
Nitrobenzene-d5	95		97		23-120
2-Fluorobiphenyl	97		100		30-120
2,4,6-Tribromophenol	110		111		10-136
4-Terphenyl-d14	105		106		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1679769-2 WG1679769-3								
Acenaphthene	85		84		31-137	1		50
1,2,4-Trichlorobenzene	82		82		38-107	0		50
Hexachlorobenzene	81		80		40-140	1		50
Bis(2-chloroethyl)ether	85		85		40-140	0		50
2-Chloronaphthalene	84		86		40-140	2		50
1,2-Dichlorobenzene	80		80		40-140	0		50
1,3-Dichlorobenzene	79		79		40-140	0		50
1,4-Dichlorobenzene	79		79		28-104	0		50
3,3'-Dichlorobenzidine	65		67		40-140	3		50
2,4-Dinitrotoluene	86		86		40-132	0		50
2,6-Dinitrotoluene	84		83		40-140	1		50
Fluoranthene	84		82		40-140	2		50
4-Chlorophenyl phenyl ether	83		82		40-140	1		50
4-Bromophenyl phenyl ether	84		82		40-140	2		50
Bis(2-chloroisopropyl)ether	91		92		40-140	1		50
Bis(2-chloroethoxy)methane	86		86		40-117	0		50
Hexachlorobutadiene	80		78		40-140	3		50
Hexachlorocyclopentadiene	66		63		40-140	5		50
Hexachloroethane	81		79		40-140	3		50
Isophorone	83		84		40-140	1		50
Naphthalene	84		85		40-140	1		50
Nitrobenzene	84		84		40-140	0		50
NDPA/DPA	84		85		36-157	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1679769-2 WG1679769-3								
n-Nitrosodi-n-propylamine	86		86		32-121	0		50
Bis(2-ethylhexyl)phthalate	85		88		40-140	3		50
Butyl benzyl phthalate	84		82		40-140	2		50
Di-n-butylphthalate	86		86		40-140	0		50
Di-n-octylphthalate	85		87		40-140	2		50
Diethyl phthalate	83		83		40-140	0		50
Dimethyl phthalate	83		83		40-140	0		50
Benzo(a)anthracene	82		84		40-140	2		50
Benzo(a)pyrene	83		86		40-140	4		50
Benzo(b)fluoranthene	81		86		40-140	6		50
Benzo(k)fluoranthene	84		83		40-140	1		50
Chrysene	82		85		40-140	4		50
Acenaphthylene	84		84		40-140	0		50
Anthracene	85		86		40-140	1		50
Benzo(ghi)perylene	82		86		40-140	5		50
Fluorene	84		84		40-140	0		50
Phenanthrene	81		82		40-140	1		50
Dibenzo(a,h)anthracene	83		86		40-140	4		50
Indeno(1,2,3-cd)pyrene	91		93		40-140	2		50
Pyrene	84		83		35-142	1		50
Biphenyl	84		86		37-127	2		50
4-Chloroaniline	77		82		40-140	6		50
2-Nitroaniline	86		85		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1679769-2 WG1679769-3								
3-Nitroaniline	75		77		26-129	3		50
4-Nitroaniline	86		84		41-125	2		50
Dibenzofuran	84		85		40-140	1		50
2-Methylnaphthalene	86		86		40-140	0		50
1,2,4,5-Tetrachlorobenzene	82		82		40-117	0		50
Acetophenone	82		81		14-144	1		50
2,4,6-Trichlorophenol	84		84		30-130	0		50
p-Chloro-m-cresol	89		89		26-103	0		50
2-Chlorophenol	88		89		25-102	1		50
2,4-Dichlorophenol	88		88		30-130	0		50
2,4-Dimethylphenol	90		91		30-130	1		50
2-Nitrophenol	84		83		30-130	1		50
4-Nitrophenol	92		90		11-114	2		50
2,4-Dinitrophenol	22		22		4-130	0		50
4,6-Dinitro-o-cresol	63		57		10-130	10		50
Pentachlorophenol	53		48		17-109	10		50
Phenol	**93**	Q	**94**	Q	26-90	1		50
2-Methylphenol	90		90		30-130.	0		50
3-Methylphenol/4-Methylphenol	89		88		30-130	1		50
2,4,5-Trichlorophenol	85		85		30-130	0		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	90		90		40-140	0		50
Carbazole	85		86		54-128	1		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 20 Batch: WG1679769-2 WG1679769-3								
1,4-Dioxane	62		62		40-140	0		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	96		97		25-120
Phenol-d6	98		98		10-120
Nitrobenzene-d5	89		90		23-120
2-Fluorobiphenyl	87		86		30-120
2,4,6-Tribromophenol	78		78		10-136
4-Terphenyl-d14	86		84		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 48 Batch: WG1679865-2 WG1679865-3								
Acenaphthene	87		82		37-111	6		30
1,2,4-Trichlorobenzene	79		72		39-98	9		30
Hexachlorobenzene	106		101		40-140	5		30
Bis(2-chloroethyl)ether	75		68		40-140	10		30
2-Chloronaphthalene	83		76		40-140	9		30
1,2-Dichlorobenzene	74		68		40-140	8		30
1,3-Dichlorobenzene	76		68		40-140	11		30
1,4-Dichlorobenzene	75		67		36-97	11		30
3,3'-Dichlorobenzidine	80		50		40-140	**46**	Q	30
2,4-Dinitrotoluene	109		108		48-143	1		30
2,6-Dinitrotoluene	100		97		40-140	3		30
Fluoranthene	87		88		40-140	1		30
4-Chlorophenyl phenyl ether	92		87		40-140	6		30
4-Bromophenyl phenyl ether	99		100		40-140	1		30
Bis(2-chloroisopropyl)ether	**38**	Q	**35**	Q	40-140	8		30
Bis(2-chloroethoxy)methane	77		71		40-140	8		30
Hexachlorobutadiene	77		72		40-140	7		30
Hexachlorocyclopentadiene	95		92		40-140	3		30
Hexachloroethane	71		64		40-140	10		30
Isophorone	72		67		40-140	7		30
Naphthalene	81		74		40-140	9		30
Nitrobenzene	81		71		40-140	13		30
NDPA/DPA	87		73		40-140	18		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 48 Batch: WG1679865-2 WG1679865-3								
n-Nitrosodi-n-propylamine	71		65		29-132	9		30
Bis(2-ethylhexyl)phthalate	86		88		40-140	2		30
Butyl benzyl phthalate	97		99		40-140	2		30
Di-n-butylphthalate	83		83		40-140	0		30
Di-n-octylphthalate	86		86		40-140	0		30
Diethyl phthalate	86		87		40-140	1		30
Dimethyl phthalate	89		85		40-140	5		30
Benzo(a)anthracene	92		89		40-140	3		30
Benzo(a)pyrene	103		99		40-140	4		30
Benzo(b)fluoranthene	104		109		40-140	5		30
Benzo(k)fluoranthene	90		88		40-140	2		30
Chrysene	88		84		40-140	5		30
Acenaphthylene	89		84		45-123	6		30
Anthracene	89		82		40-140	8		30
Benzo(ghi)perylene	96		96		40-140	0		30
Fluorene	90		86		40-140	5		30
Phenanthrene	84		79		40-140	6		30
Dibenzo(a,h)anthracene	99		95		40-140	4		30
Indeno(1,2,3-cd)pyrene	128		123		40-140	4		30
Pyrene	86		84		26-127	2		30
Biphenyl	89		83		40-140	7		30
4-Chloroaniline	50		44		40-140	13		30
2-Nitroaniline	104		100		52-143	4		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 48 Batch: WG1679865-2 WG1679865-3								
3-Nitroaniline	88		86		25-145	2		30
4-Nitroaniline	89		90		51-143	1		30
Dibenzofuran	88		84		40-140	5		30
2-Methylnaphthalene	88		79		40-140	11		30
1,2,4,5-Tetrachlorobenzene	88		83		2-134	6		30
Acetophenone	83		76		39-129	9		30
2,4,6-Trichlorophenol	96		89		30-130	8		30
p-Chloro-m-cresol	92		81		23-97	13		30
2-Chlorophenol	85		76		27-123	11		30
2,4-Dichlorophenol	86		79		30-130	8		30
2,4-Dimethylphenol	81		65		30-130	22		30
2-Nitrophenol	118		110		30-130	7		30
4-Nitrophenol	59		58		10-80	2		30
2,4-Dinitrophenol	105		108		20-130	3		30
4,6-Dinitro-o-cresol	126		126		20-164	0		30
Pentachlorophenol	96		96		9-103	0		30
Phenol	62		52		12-110	18		30
2-Methylphenol	81		68		30-130	17		30
3-Methylphenol/4-Methylphenol	85		74		30-130	14		30
2,4,5-Trichlorophenol	96		91		30-130	5		30
Benzoic Acid	60		56		10-164	7		30
Benzyl Alcohol	71		66		26-116	7		30
Carbazole	89		86		55-144	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 48 Batch: WG1679865-2 WG1679865-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		66		21-120
Phenol-d6	63		56		10-120
Nitrobenzene-d5	87		80		23-120
2-Fluorobiphenyl	86		80		15-120
2,4,6-Tribromophenol	**139**	Q	**133**	Q	10-120
4-Terphenyl-d14	97		97		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 48 Batch: WG1679871-2 WG1679871-3								
Acenaphthene	89		77		40-140	14		40
2-Chloronaphthalene	87		74		40-140	16		40
Fluoranthene	95		83		40-140	13		40
Hexachlorobutadiene	100		79		40-140	23		40
Naphthalene	81		70		40-140	15		40
Benzo(a)anthracene	93		82		40-140	13		40
Benzo(a)pyrene	84		76		40-140	10		40
Benzo(b)fluoranthene	95		90		40-140	5		40
Benzo(k)fluoranthene	93		83		40-140	11		40
Chrysene	105		92		40-140	13		40
Acenaphthylene	75		67		40-140	11		40
Anthracene	93		76		40-140	20		40
Benzo(ghi)perylene	124		103		40-140	19		40
Fluorene	94		80		40-140	16		40
Phenanthrene	90		77		40-140	16		40
Dibenzo(a,h)anthracene	124		105		40-140	17		40
Indeno(1,2,3-cd)pyrene	125		105		40-140	17		40
Pyrene	94		84		40-140	11		40
2-Methylnaphthalene	82		70		40-140	16		40
Pentachlorophenol	138		109		40-140	23		40
Hexachlorobenzene	120		93		40-140	25		40
Hexachloroethane	80		66		40-140	19		40

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 48 Batch: WG1679871-2 WG1679871-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	68		62		21-120
Phenol-d6	58		55		10-120
Nitrobenzene-d5	82		73		23-120
2-Fluorobiphenyl	84		74		15-120
2,4,6-Tribromophenol	**133**	Q	**121**	Q	10-120
4-Terphenyl-d14	83		77		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1680159-2 WG1680159-3								
Acenaphthene	46		46		31-137	0		50
1,2,4-Trichlorobenzene	47		47		38-107	0		50
Hexachlorobenzene	50		50		40-140	0		50
Bis(2-chloroethyl)ether	43		43		40-140	0		50
2-Chloronaphthalene	48		49		40-140	2		50
1,2-Dichlorobenzene	44		45		40-140	2		50
1,3-Dichlorobenzene	44		45		40-140	2		50
1,4-Dichlorobenzene	44		44		28-104	0		50
3,3'-Dichlorobenzidine	**35**	Q	**37**	Q	40-140	6		50
2,4-Dinitrotoluene	47		48		40-132	2		50
2,6-Dinitrotoluene	49		50		40-140	2		50
Fluoranthene	46		48		40-140	4		50
4-Chlorophenyl phenyl ether	48		49		40-140	2		50
4-Bromophenyl phenyl ether	48		49		40-140	2		50
Bis(2-chloroisopropyl)ether	**34**	Q	**35**	Q	40-140	3		50
Bis(2-chloroethoxy)methane	44		45		40-117	2		50
Hexachlorobutadiene	47		47		40-140	0		50
Hexachlorocyclopentadiene	**20**	Q	**20**	Q	40-140	0		50
Hexachloroethane	45		45		40-140	0		50
Isophorone	42		43		40-140	2		50
Naphthalene	46		46		40-140	0		50
Nitrobenzene	45		44		40-140	2		50
NDPA/DPA	48		49		36-157	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1680159-2 WG1680159-3								
n-Nitrosodi-n-propylamine	42		43		32-121	2		50
Bis(2-ethylhexyl)phthalate	51		52		40-140	2		50
Butyl benzyl phthalate	47		49		40-140	4		50
Di-n-butylphthalate	47		48		40-140	2		50
Di-n-octylphthalate	49		50		40-140	2		50
Diethyl phthalate	48		49		40-140	2		50
Dimethyl phthalate	49		50		40-140	2		50
Benzo(a)anthracene	47		48		40-140	2		50
Benzo(a)pyrene	48		48		40-140	0		50
Benzo(b)fluoranthene	48		50		40-140	4		50
Benzo(k)fluoranthene	46		46		40-140	0		50
Chrysene	48		49		40-140	2		50
Acenaphthylene	49		50		40-140	2		50
Anthracene	45		46		40-140	2		50
Benzo(ghi)perylene	44		44		40-140	0		50
Fluorene	48		49		40-140	2		50
Phenanthrene	44		46		40-140	4		50
Dibenzo(a,h)anthracene	44		44		40-140	0		50
Indeno(1,2,3-cd)pyrene	48		49		40-140	2		50
Pyrene	46		47		35-142	2		50
Biphenyl	46		47		37-127	2		50
4-Chloroaniline	41		43		40-140	5		50
2-Nitroaniline	49		50		47-134	2		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1680159-2 WG1680159-3								
3-Nitroaniline	41		42		26-129	2		50
4-Nitroaniline	44		47		41-125	7		50
Dibenzofuran	47		48		40-140	2		50
2-Methylnaphthalene	48		48		40-140	0		50
1,2,4,5-Tetrachlorobenzene	48		48		40-117	0		50
Acetophenone	42		43		14-144	2		50
2,4,6-Trichlorophenol	49		50		30-130	2		50
p-Chloro-m-cresol	50		52		26-103	4		50
2-Chlorophenol	46		47		25-102	2		50
2,4-Dichlorophenol	49		51		30-130	4		50
2,4-Dimethylphenol	47		48		30-130	2		50
2-Nitrophenol	45		44		30-130	2		50
4-Nitrophenol	46		47		11-114	2		50
2,4-Dinitrophenol	24		24		4-130	0		50
4,6-Dinitro-o-cresol	36		38		10-130	5		50
Pentachlorophenol	30		30		17-109	0		50
Phenol	41		44		26-90	7		50
2-Methylphenol	47		49		30-130.	4		50
3-Methylphenol/4-Methylphenol	51		52		30-130	2		50
2,4,5-Trichlorophenol	50		51		30-130	2		50
Benzoic Acid	11		**8**	Q	10-110	30		50
Benzyl Alcohol	45		45		40-140	0		50
Carbazole	**46**	Q	**48**	Q	54-128	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 55 Batch: WG1680159-2 WG1680159-3								
1,4-Dioxane	**33**	Q	**32**	Q	40-140	3		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	51		50		25-120
Phenol-d6	50		52		10-120
Nitrobenzene-d5	46		46		23-120
2-Fluorobiphenyl	51		51		30-120
2,4,6-Tribromophenol	53		54		10-136
4-Terphenyl-d14	48		49		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 48 Batch: WG1680592-2 WG1680592-3								
Acenaphthene	77		79		40-140	3		40
2-Chloronaphthalene	69		72		40-140	4		40
Fluoranthene	72		76		40-140	5		40
Hexachlorobutadiene	65		68		40-140	5		40
Naphthalene	70		76		40-140	8		40
Benzo(a)anthracene	78		82		40-140	5		40
Benzo(a)pyrene	67		68		40-140	1		40
Benzo(b)fluoranthene	78		78		40-140	0		40
Benzo(k)fluoranthene	76		80		40-140	5		40
Chrysene	76		79		40-140	4		40
Acenaphthylene	67		70		40-140	4		40
Anthracene	74		76		40-140	3		40
Benzo(ghi)perylene	72		72		40-140	0		40
Fluorene	78		79		40-140	1		40
Phenanthrene	72		75		40-140	4		40
Dibenzo(a,h)anthracene	76		76		40-140	0		40
Indeno(1,2,3-cd)pyrene	76		76		40-140	0		40
Pyrene	72		76		40-140	5		40
2-Methylnaphthalene	72		77		40-140	7		40
Pentachlorophenol	67		73		40-140	9		40
Hexachlorobenzene	82		80		40-140	2		40
Hexachloroethane	65		68		40-140	5		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 48 Batch: WG1680592-2 WG1680592-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		67		21-120
Phenol-d6	52		56		10-120
Nitrobenzene-d5	78		84		23-120
2-Fluorobiphenyl	71		76		15-120
2,4,6-Tribromophenol	95		97		10-120
4-Terphenyl-d14	73		74		41-149

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 02,06,08,12,14,18,20,24-25 QC Batch ID: WG1677434-3 QC Sample: L2243936-37 Client ID: MS Sample												
Perfluorooctanoic Acid (PFOA)	ND	4.87	5.68	117		-	-		69-133	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**30**	Q			75-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 QC Batch ID: WG1678073-3 WG1678073-4 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
Perfluorobutanoic Acid (PFBA)	ND	5.06	4.75	94		4.67	96		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.06	4.71	93		4.62	95		69-132	2		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.5	4.19	93		4.11	95		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	ND	5.06	4.86	96		4.71	97		70-132	3		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.06	4.82	95		4.77	98		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.63	4.73	102		4.72	106		67-130	0		30
Perfluorooctanoic Acid (PFOA)	ND	5.06	4.98	98		5.15	106		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.82	4.88	101		4.62	100		64-140	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.83	5.19	107		4.98	107		70-132	4		30
Perfluorononanoic Acid (PFNA)	ND	5.06	4.85	96		4.62	95		72-129	5		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.7	4.84	103		4.57	101		68-136	6		30
Perfluorodecanoic Acid (PFDA)	ND	5.06	5.16	102		4.72	97		69-133	9		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.86	5.52	114		4.49	96		65-137	21		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.266J	5.06	3.35	**61**	Q	4.12F	79		63-144	21		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.06	5.04	100		5.13	105		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.89	4.05	83		3.34	71		59-134	19		30
Perfluorooctanesulfonamide (FOSA)	ND	5.06	4.23F	84		4.36	90		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.672	5.06	4.01	66		3.67	62		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	ND	5.06	5.09	101		5.27	108		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.06	5.04	100		5.56	114		66-139	10		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.06	5.76	114		4.82	99		69-133	18		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 QC Batch ID: WG1678073-3 WG1678073-4 QC Sample: L2244887-41 Client ID: SB-8 (8-10')

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		68		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		59		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**17**	Q	**17**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**16**	Q	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		76		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		82		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		83		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		83		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	100		99		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		75		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	58		62		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		87		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	14		23		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		93		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		78		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	83		76		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		94		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 QC Batch ID: WG1678073-5 WG1678073-6 QC Sample: L2245072-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.54	5.53	100		5.39	99		71-135	3		30
Perfluoropentanoic Acid (PFPeA)	ND	5.54	5.59	101		5.43	99		69-132	3		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.92	4.84	98		4.83	100		72-128	0		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.2	5.37	103		5.68	111		62-145	6		30
Perfluorohexanoic Acid (PFHxA)	ND	5.54	5.54	100		5.54	101		70-132	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.22	4.97	95		5.27	102		73-123	6		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.54	5.40	98		5.60	103		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.06	5.33	105		5.60	112		67-130	5		30
Perfluorooctanoic Acid (PFOA)	ND	5.54	5.22	94		5.73	105		69-133	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.27	5.51	104		5.42	104		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.28	5.62	106		5.98	115		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	5.54	5.59	101		5.37	98		72-129	4		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.14	5.09	99		5.55	110		68-136	9		30
Perfluorodecanoic Acid (PFDA)	ND	5.54	6.21	112		6.12	112		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.32	6.03	113		6.53	125		65-137	8		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.33	4.48	84		5.17	98		69-125	14		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.54	4.12	74		5.28	97		63-144	25		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.54	6.27	113		6.17	113		64-136	2		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.35	4.42	83		4.16	79		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	ND	5.54	5.91	107		5.76	105		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.54	5.24	95		5.06	93		61-139	3		30
Perfluorododecanoic Acid (PFDoA)	ND	5.54	5.49	99		5.76	105		69-135	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 37,41,43,47 QC Batch ID: WG1678073-5 WG1678073-6 QC Sample: L2245072-01 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.54	6.42	116		6.33	116		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.54	5.33	96		5.83	107		69-133	9		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		83		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	79		87		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		86		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		66		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	70		65		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		89		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		93		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		101		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		101		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		105		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		92		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		74		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		105		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		105		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		76		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	97		99		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	109		102		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	95		96		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		104		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678431-3 WG1678431-4 QC Sample: L2244692-10 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	3.15	35.2	40.1	105		40.2	105		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	5.13	35.2	42.8	107		42.9	107		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	2.15	31.3	34.3	103		34.5	103		65-157	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	33.1	36.8	111		36.0	109		37-219	2		30
Perfluorohexanoic Acid (PFHxA)	4.84	35.2	43.0	108		43.9	111		69-168	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	33.2	33.4	101		34.0	102		52-156	2		30
Perfluoroheptanoic Acid (PFHpA)	2.86	35.2	39.1	103		42.6	113		58-159	9		30
Perfluorohexanesulfonic Acid (PFHxS)	2.25	32.2	39.4	115		38.4	112		69-177	3		30
Perfluorooctanoic Acid (PFOA)	8.64	35.2	41.9	94		51.2	121		63-159	20		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.53	33.6	41.9	105		43.8	111		49-187	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	33.6	39.2	117		36.9	110		61-179	6		30
Perfluorononanoic Acid (PFNA)	1.88F	35.2	39.7	107		40.0	108		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	8.40	32.7	44.6	111		40.8	99		52-151	9		30
Perfluorodecanoic Acid (PFDA)	0.868J	35.2	42.4	118		37.4	104		63-171	13		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	33.8	39.2	116		39.5	117		56-173	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	33.9	33.1	98		32.6	96		48-150	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	2.19	35.2	29.6	78		32.2	85		60-166	8		30
Perfluoroundecanoic Acid (PFUnA)	0.291J	35.2	37.0	104		37.3	105		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	ND	34	31.0	91		26.4	78		38-156	16		30
Perfluorooctanesulfonamide (FOSA)	ND	35.2	38.1	108		40.2	114		46-170	5		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	2.81	35.2	34.1	89		34.2	89		45-170	0		30
Perfluorododecanoic Acid (PFDoA)	ND	35.2	37.0	105		36.7	104		67-153	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1678431-3 WG1678431-4 QC Sample: L2244692-10 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	35.2	40.5	115		37.6	107		48-158	7		30
Perfluorotetradecanoic Acid (PFTA)	0.246JF	35.2	42.9	121		37.8	106		59-182	13		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**195**	Q	**209**	Q	10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	136		**143**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**195**	Q	**205**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		102		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	108		113		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		88		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	74		85		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	66		68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	74		76		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		90		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		88		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		80		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		92		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		88		62-163
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	30		26		10-112
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		89		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		81		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		87		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	78		82		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1679228-3 WG1679228-4 QC Sample: L2245374-10 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.12	5.36	105		5.28	104		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.12	5.45	106		5.40	106		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.55	4.63	102		4.67	104		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.81	5.40	112		5.47	115		62-145	1		30
Perfluorohexanoic Acid (PFHxA)	ND	5.12	5.54	108		5.49	108		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.83	4.91	102		4.93	103		73-123	0		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.12	5.58	109		5.36	106		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.68	5.35	114		5.39	116		67-130	1		30
Perfluorooctanoic Acid (PFOA)	ND	5.12	5.30	103		5.72	113		69-133	8		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.88	5.34	109		5.34	110		64-140	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.89	5.96	122		5.36	111		70-132	11		30
Perfluorononanoic Acid (PFNA)	ND	5.12	6.10	119		6.00	118		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.76	5.54	116		4.95	105		68-136	11		30
Perfluorodecanoic Acid (PFDA)	ND	5.12	5.05	99		5.41	107		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.92	5.48	111		6.85	**141**	Q	65-137	22		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.93	5.03	102		4.93	101		69-125	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.12	3.35	65		5.24	103		63-144	**44**	Q	30
Perfluoroundecanoic Acid (PFUnA)	ND	5.12	6.40	125		6.01	118		64-136	6		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.95	4.51	91		3.73	76		59-134	19		30
Perfluorooctanesulfonamide (FOSA)	ND	5.12	5.50F	107		5.34	105		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.084JB	5.12	4.85	93		4.26	82		61-139	13		30
Perfluorododecanoic Acid (PFDoA)	ND	5.12	5.18	101		5.81	114		69-135	11		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1679228-3 WG1679228-4 QC Sample: L2245374-10 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.12	5.91	115		5.85	115		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.12	7.36	**144**	Q	5.40	106		69-133	**31**	Q	30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		55		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	63		65		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		65		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	**30**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**27**	Q	**21**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		76		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		83		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		95		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		76		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	46		64		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		81		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		17		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		96		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		81		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	75		78		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		95		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 37,39,41,43,45,47 QC Batch ID: WG1679606-4 WG1679606-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
Acenaphthene	ND	1400	1200	86		1200	86		31-137	0		50
1,2,4-Trichlorobenzene	ND	1400	1100	79		1100	79		38-107	0		50
Hexachlorobenzene	ND	1400	1200	86		1200	86		40-140	0		50
Bis(2-chloroethyl)ether	ND	1400	1200	86		1200	86		40-140	0		50
2-Chloronaphthalene	ND	1400	1200	86		1200	86		40-140	0		50
1,2-Dichlorobenzene	ND	1400	1100	79		1100	79		40-140	0		50
1,3-Dichlorobenzene	ND	1400	1100	79		1000	72		40-140	10		50
1,4-Dichlorobenzene	ND	1400	1000	71		1000	72		28-104	0		50
3,3'-Dichlorobenzidine	ND	1400	1200	86		990	71		40-140	19		50
2,4-Dinitrotoluene	ND	1400	1400	100		1300	93		40-132	7		50
2,6-Dinitrotoluene	ND	1400	1300	93		1200	86		40-140	8		50
Fluoranthene	ND	1400	1300	93		1200	86		40-140	8		50
4-Chlorophenyl phenyl ether	ND	1400	1300	93		1200	86		40-140	8		50
4-Bromophenyl phenyl ether	ND	1400	1200	86		1200	86		40-140	0		50
Bis(2-chloroisopropyl)ether	ND	1400	1500	110		1500	110		40-140	0		50
Bis(2-chloroethoxy)methane	ND	1400	1200	86		1200	86		40-117	0		50
Hexachlorobutadiene	ND	1400	1200	86		1200	86		40-140	0		50
Hexachlorocyclopentadiene	ND	1400	1200	86		1200	86		40-140	0		50
Hexachloroethane	ND	1400	1200	86		1200	86		40-140	0		50
Isophorone	ND	1400	1100	79		1100	79		40-140	0		50
Naphthalene	ND	1400	1200	86		1200	86		40-140	0		50
Nitrobenzene	ND	1400	1200	86		1200	86		40-140	0		50
NDPA/DPA	ND	1400	1300	93		1200	86		36-157	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 37,39,41,43,45,47 QC Batch ID: WG1679606-4 WG1679606-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
n-Nitrosodi-n-propylamine	ND	1400	1300	93		1200	86		32-121	8		50
Bis(2-ethylhexyl)phthalate	ND	1400	1400	100		1400	100		40-140	0		50
Butyl benzyl phthalate	ND	1400	1400	100		1300	93		40-140	7		50
Di-n-butylphthalate	ND	1400	1500	110		1400	100		40-140	7		50
Di-n-octylphthalate	ND	1400	1500	110		1400	100		40-140	7		50
Diethyl phthalate	ND	1400	1300	93		1300	93		40-140	0		50
Dimethyl phthalate	ND	1400	1200	86		1100	79		40-140	9		50
Benzo(a)anthracene	ND	1400	1300	93		1300	93		40-140	0		50
Benzo(a)pyrene	ND	1400	1300	93		1200	86		40-140	8		50
Benzo(b)fluoranthene	ND	1400	1400	100		1200	86		40-140	15		50
Benzo(k)fluoranthene	ND	1400	1200	86		1300	93		40-140	8		50
Chrysene	ND	1400	1300	93		1200	86		40-140	8		50
Acenaphthylene	ND	1400	1200	86		1200	86		40-140	0		50
Anthracene	ND	1400	1300	93		1300	93		40-140	0		50
Benzo(ghi)perylene	ND	1400	1200	86		1200	86		40-140	0		50
Fluorene	ND	1400	1300	93		1200	86		40-140	8		50
Phenanthrene	ND	1400	1300	93		1300	93		40-140	0		50
Dibenzo(a,h)anthracene	ND	1400	1300	93		1200	86		40-140	8		50
Indeno(1,2,3-cd)pyrene	ND	1400	1300	93		1300	93		40-140	0		50
Pyrene	ND	1400	1300	93		1200	86		35-142	8		50
Biphenyl	ND	1400	1200	86		1200	86		37-127	0		50
4-Chloroaniline	ND	1400	820	59		610	44		40-140	29		50
2-Nitroaniline	ND	1400	1300	93		1200	86		47-134	8		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 37,39,41,43,45,47 QC Batch ID: WG1679606-4 WG1679606-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
3-Nitroaniline	ND	1400	1300	93		1000	72		26-129	26		50
4-Nitroaniline	ND	1400	1300	93		1200	86		41-125	8		50
Dibenzofuran	ND	1400	1300	93		1200	86		40-140	8		50
2-Methylnaphthalene	ND	1400	1200	86		1200	86		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1400	1200	86		1200	86		40-117	0		50
Acetophenone	ND	1400	1200	86		1100	79		14-144	9		50
2,4,6-Trichlorophenol	ND	1400	1300	93		1200	86		30-130	8		50
p-Chloro-m-cresol	ND	1400	1300	93		1200	86		26-103	8		50
2-Chlorophenol	ND	1400	1200	86		1200	86		25-102	0		50
2,4-Dichlorophenol	ND	1400	1200	86		1200	86		30-130	0		50
2,4-Dimethylphenol	ND	1400	1200	86		1100	79		30-130	9		50
2-Nitrophenol	ND	1400	1300	93		1200	86		30-130	8		50
4-Nitrophenol	ND	1400	1400	100		1300	93		11-114	7		50
2,4-Dinitrophenol	ND	1400	800J	57		690J	49		4-130	15		50
4,6-Dinitro-o-cresol	ND	1400	1300	93		1200	86		10-130	8		50
Pentachlorophenol	ND	1400	1100	79		1000	72		17-109	10		50
Phenol	ND	1400	1200	86		1100	79		26-90	9		50
2-Methylphenol	ND	1400	1200	86		1100	79		30-130.	9		50
3-Methylphenol/4-Methylphenol	ND	1400	1200	86		1100	79		30-130	9		50
2,4,5-Trichlorophenol	ND	1400	1300	93		1200	86		30-130	8		50
Benzoic Acid	ND	1400	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1400	1300	93		1300	93		40-140	0		50
Carbazole	ND	1400	1400	100		1300	93		54-128	7		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 37,39,41,43,45,47 QC Batch ID: WG1679606-4 WG1679606-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
1,4-Dioxane	ND	1400	1000	71		1100	79		40-140	10		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	101		95		10-136
2-Fluorobiphenyl	89		84		30-120
2-Fluorophenol	91		89		25-120
4-Terphenyl-d14	93		87		18-120
Nitrobenzene-d5	87		86		23-120
Phenol-d6	95		91		10-120

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02,06,08,12,14,18,20,24-25 QC Batch ID: WG1677434-4 QC Sample: L2243936-38 Client ID: DUP Sample						
Perfluorooctanoic Acid (PFOA)	0.385F	0.403F	ng/g	5		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**58**	Q	**57**	Q	75-130

PETROLEUM HYDROCARBONS

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified

Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 11:31
Analyst: BAD
Percent Solids: 94%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1000	J	ug/kg	2600	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	80		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified

Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 11:03
Analyst: MC
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	216		mg/kg	24.5	24.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	65		40-140
o-Terphenyl	64		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30
Client ID: WC-08
Sample Location: Not Specified

Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 13:04
Analyst: BAD
Percent Solids: 96%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1100	J	ug/kg	2500	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	86		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30
Client ID: WC-08
Sample Location: Not Specified

Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 10:03
Analyst: MC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	51.7		mg/kg	24.3	24.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	79		40-140
o-Terphenyl	77		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified

Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 13:34
Analyst: BAD
Percent Solids: 96%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	930	J	ug/kg	2600	49.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	83		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified

Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 09:33
Analyst: MC
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	41.8		mg/kg	24.8	24.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	86		40-140
o-Terphenyl	84		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34
Client ID: WC-04
Sample Location: Not Specified

Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 14:06
Analyst: BAD
Percent Solids: 85%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	88		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34
Client ID: WC-04
Sample Location: Not Specified

Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 10:33
Analyst: MC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	179		mg/kg	27.1	27.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	75		40-140
o-Terphenyl	73		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-50
Client ID: WC-12 (6')
Sample Location: Not Specified

Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 14:37
Analyst: BAD
Percent Solids: 91%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2700	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		70-130
4-Bromofluorobenzene	80		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-51
Client ID: WC-12
Sample Location: Not Specified

Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 13:34
Analyst: MC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 14:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	38.3		mg/kg	26.8	26.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	76		40-140
o-Terphenyl	73		40-140

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-52
Client ID: WC-6 (4')
Sample Location: Not Specified

Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 15:08
Analyst: BAD
Percent Solids: 75%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1600	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	83		70-130

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-53
Client ID: WC-6
Sample Location: Not Specified

Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 14:04
Analyst: MC
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 14:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	117		mg/kg	25.1	25.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	76		40-140

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 02:58
Analyst: MC

Extraction Method: EPA 3546
Extraction Date: 08/24/22 05:59

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 28,30,32,34 Batch: WG1678944-1					
Total EPH	ND		mg/kg	23.7	23.7

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	80		40-140
o-Terphenyl	78		40-140

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 11:00
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 28,30,32,34,50,52 Batch: WG1679588-4					
Gasoline Range Organics	980	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	84		70-130

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/26/22 13:34
Analyst: MC

Extraction Method: EPA 3546
Extraction Date: 08/25/22 18:54

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 51,53 Batch: WG1679720-1					
Total EPH	ND		mg/kg	23.4	23.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	71		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 28,30,32,34		Batch: WG1678944-2		WG1678944-3			
Total EPH	107		106		40-140	1		25
Nonane (C9)	90		92		40-140	2		25
Decane (C10)	91		93		40-140	2		25
Dodecane (C12)	93		94		40-140	1		25
Tetradecane (C14)	93		94		40-140	1		25
Hexadecane (C16)	94		93		40-140	1		25
Octadecane (C18)	98		96		40-140	2		25
Eicosane (C20)	99		96		40-140	3		25
Heneicosane (C21)	99		96		40-140	3		25
Docosane (C22)	99		97		40-140	2		25
Tetracosane (C24)	98		96		40-140	2		25
Hexacosane (C26)	98		96		40-140	2		25
Octacosane (C28)	98		96		40-140	2		25
Triacontane (C30)	99		97		40-140	2		25
Dotriacontane (C32)	101		99		40-140	2		25
Tetratriacontane (C34)	98		96		40-140	2		25
Hexatriacontane (C36)	100		98		40-140	2		25
Octatriacontane (C38)	103		102		40-140	1		25
Tetracontane (C40)	98		105		40-140	7		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 28,30,32,34		Batch: WG1678944-2 WG1678944-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	88		85		40-140
o-Terphenyl	87		84		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s):		28,30,32,34,50,52	Batch:	WG1679588-2	WG1679588-3		
Gasoline Range Organics	88		90		80-120	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	102		103		70-130
4-Bromofluorobenzene	86		86		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 51,53 Batch: WG1679720-2 WG1679720-3								
Total EPH	78		86		40-140	10		25
Nonane (C9)	64		64		40-140	0		25
Decane (C10)	66		66		40-140	0		25
Dodecane (C12)	68		69		40-140	1		25
Tetradecane (C14)	69		73		40-140	6		25
Hexadecane (C16)	70		79		40-140	12		25
Octadecane (C18)	71		81		40-140	13		25
Eicosane (C20)	72		82		40-140	13		25
Heneicosane (C21)	72		82		40-140	13		25
Docosane (C22)	72		82		40-140	13		25
Tetracosane (C24)	71		82		40-140	14		25
Hexacosane (C26)	71		82		40-140	14		25
Octacosane (C28)	75		89		40-140	17		25
Triacontane (C30)	71		81		40-140	13		25
Dotriacontane (C32)	72		82		40-140	13		25
Tetratriacontane (C34)	70		79		40-140	12		25
Hexatriacontane (C36)	71		79		40-140	11		25
Octatriacontane (C38)	73		79		40-140	8		25
Tetracontane (C40)	72		78		40-140	8		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 51,53		Batch: WG1679720-2		WG1679720-3			

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	70		79		40-140
o-Terphenyl	68		77		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1678944-4 QC Sample: L2245624-10 Client ID: MS Sample												
Total EPH	ND	287	273	95		-	-		40-140	-		50
Nonane (C9)	ND	7.97	6.31	79		-	-		40-140	-		50
Decane (C10)	ND	7.97	6.49	81		-	-		40-140	-		50
Dodecane (C12)	ND	7.97	6.54	82		-	-		40-140	-		50
Tetradecane (C14)	ND	7.97	6.57	82		-	-		40-140	-		50
Hexadecane (C16)	ND	7.97	6.55	82		-	-		40-140	-		50
Octadecane (C18)	ND	7.97	6.89	86		-	-		40-140	-		50
Eicosane (C20)	ND	7.97	6.96	87		-	-		40-140	-		50
Heneicosane (C21)	ND	7.97	6.95	87		-	-		40-140	-		50
Docosane (C22)	ND	7.97	6.99	88		-	-		40-140	-		50
Tetracosane (C24)	ND	7.97	6.96	87		-	-		40-140	-		50
Hexacosane (C26)	ND	7.97	6.92	87		-	-		40-140	-		50
Octacosane (C28)	ND	7.97	6.94	87		-	-		40-140	-		50
Triacontane (C30)	ND	7.97	7.02	88		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.97	7.13	89		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.97	6.91	87		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.97	7.07	89		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.97	7.30	92		-	-		40-140	-		50
Tetracontane (C40)	ND	7.97	7.02	88		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	74				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 151ST STREET RI	***Lab Number:***	L2244887
Project Number:	41.0162951.10	***Report Date:***	09/06/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1678944-4 QC Sample: L2245624-10 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	73				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 28,30,32,34,50,52					QC Batch ID: WG1679588-6			QC Sample: L2244887-28			Client ID: WC-05
Gasoline Range Organics	1000J	20600	18000	89		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	95				70-130
4-Bromofluorobenzene	84				70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 51,53 QC Batch ID: WG1679720-4 QC Sample: L2243692-01 Client ID: MS Sample												
Total EPH	48.1	264	266	83		-	-		40-140	-		50
Nonane (C9)	ND	7.34	4.38	60		-	-		40-140	-		50
Decane (C10)	ND	7.34	4.58	62		-	-		40-140	-		50
Dodecane (C12)	ND	7.34	4.73	65		-	-		40-140	-		50
Tetradecane (C14)	ND	7.34	4.91	67		-	-		40-140	-		50
Hexadecane (C16)	ND	7.34	5.04	69		-	-		40-140	-		50
Octadecane (C18)	ND	7.34	5.05	69		-	-		40-140	-		50
Eicosane (C20)	ND	7.34	5.08	69		-	-		40-140	-		50
Heneicosane (C21)	ND	7.34	5.06	69		-	-		40-140	-		50
Docosane (C22)	ND	7.34	5.20	71		-	-		40-140	-		50
Tetracosane (C24)	ND	7.34	5.08	69		-	-		40-140	-		50
Hexacosane (C26)	ND	7.34	5.20	71		-	-		40-140	-		50
Octacosane (C28)	ND	7.34	4.83	66		-	-		40-140	-		50
Triacontane (C30)	ND	7.34	5.06	69		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.34	5.07	69		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.34	4.90	67		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.34	5.01	68		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.34	5.19	71		-	-		40-140	-		50
Tetracontane (C40)	ND	7.34	5.01	68		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	66				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 151ST STREET RI	***Lab Number:***	L2244887
Project Number:	41.0162951.10	***Report Date:***	09/06/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 51,53 QC Batch ID: WG1679720-4 QC Sample: L2243692-01 Client ID: MS Sample												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	64				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1678944-5 QC Sample: L2245624-10 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		81		40-140
o-Terphenyl	82		81		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 28,30,32,34,50,52 QC Batch ID: WG1679588-5 QC Sample: L2244887-28 Client ID: WC-05						
Gasoline Range Organics	1000J	1100J	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	91		98		70-130
4-Bromofluorobenzene	80		85		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 51,53 QC Batch ID: WG1679720-5 QC Sample: L2243692-01 Client ID: DUP Sample						
Total EPH	48.1	107	mg/kg	**76**	Q	50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	72		69		40-140
o-Terphenyl	71		68		40-140

PCBS

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 12:35
Analyst: ER
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 02:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.13	1	A
Aroclor 1221	ND		ug/kg	35.3	3.54	1	A
Aroclor 1232	ND		ug/kg	35.3	7.48	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.29	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	ND		ug/kg	35.3	6.52	1	A
Aroclor 1262	ND		ug/kg	35.3	4.48	1	A
Aroclor 1268	ND		ug/kg	35.3	3.65	1	A
PCBs, Total	ND		ug/kg	35.3	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 12:44
Analyst: ER
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 02:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.43	1	A
Aroclor 1221	ND		ug/kg	38.6	3.87	1	A
Aroclor 1232	ND		ug/kg	38.6	8.18	1	A
Aroclor 1242	ND		ug/kg	38.6	5.20	1	A
Aroclor 1248	ND		ug/kg	38.6	5.79	1	A
Aroclor 1254	ND		ug/kg	38.6	4.22	1	A
Aroclor 1260	ND		ug/kg	38.6	7.13	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	4.00	1	A
PCBs, Total	ND		ug/kg	38.6	3.43	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 04:08
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/24/22 12:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.49	1	A
Aroclor 1232	ND		ug/kg	34.8	7.38	1	A
Aroclor 1242	ND		ug/kg	34.8	4.69	1	A
Aroclor 1248	ND		ug/kg	34.8	5.22	1	A
Aroclor 1254	ND		ug/kg	34.8	3.81	1	A
Aroclor 1260	ND		ug/kg	34.8	6.43	1	A
Aroclor 1262	ND		ug/kg	34.8	4.42	1	A
Aroclor 1268	ND		ug/kg	34.8	3.61	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/23/22 22:40
Analyst: ER
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 02:16
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	19.7	J	ug/kg	35.0	6.47	1	B
Aroclor 1262	ND		ug/kg	35.0	4.44	1	A
Aroclor 1268	ND		ug/kg	35.0	3.62	1	A
PCBs, Total	19.7	J	ug/kg	35.0	3.11	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	47		30-150	B
Decachlorobiphenyl	36		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 12:52
Analyst: ER
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 02:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.48	1	A
Aroclor 1232	ND		ug/kg	34.8	7.37	1	A
Aroclor 1242	ND		ug/kg	34.8	4.68	1	A
Aroclor 1248	ND		ug/kg	34.8	5.21	1	A
Aroclor 1254	ND		ug/kg	34.8	3.80	1	A
Aroclor 1260	ND		ug/kg	34.8	6.42	1	A
Aroclor 1262	ND		ug/kg	34.8	4.41	1	A
Aroclor 1268	ND		ug/kg	34.8	3.60	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 13:01
Analyst: ER
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 03:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.3	3.05	1	A
Aroclor 1221	ND		ug/kg	34.3	3.44	1	A
Aroclor 1232	ND		ug/kg	34.3	7.27	1	A
Aroclor 1242	ND		ug/kg	34.3	4.62	1	A
Aroclor 1248	ND		ug/kg	34.3	5.15	1	A
Aroclor 1254	ND		ug/kg	34.3	3.75	1	A
Aroclor 1260	ND		ug/kg	34.3	6.34	1	A
Aroclor 1262	ND		ug/kg	34.3	4.36	1	A
Aroclor 1268	ND		ug/kg	34.3	3.55	1	A
PCBs, Total	ND		ug/kg	34.3	3.05	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 13:09
Analyst: ER
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 03:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.3	2.96	1	A
Aroclor 1221	ND		ug/kg	33.3	3.34	1	A
Aroclor 1232	ND		ug/kg	33.3	7.06	1	A
Aroclor 1242	ND		ug/kg	33.3	4.49	1	A
Aroclor 1248	ND		ug/kg	33.3	5.00	1	A
Aroclor 1254	ND		ug/kg	33.3	3.64	1	A
Aroclor 1260	ND		ug/kg	33.3	6.16	1	A
Aroclor 1262	ND		ug/kg	33.3	4.23	1	A
Aroclor 1268	ND		ug/kg	33.3	3.45	1	A
PCBs, Total	ND		ug/kg	33.3	2.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 13:26
Analyst: ER
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 03:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.1	3.30	1	A
Aroclor 1221	ND		ug/kg	37.1	3.72	1	A
Aroclor 1232	ND		ug/kg	37.1	7.87	1	A
Aroclor 1242	ND		ug/kg	37.1	5.00	1	A
Aroclor 1248	ND		ug/kg	37.1	5.57	1	A
Aroclor 1254	ND		ug/kg	37.1	4.06	1	A
Aroclor 1260	ND		ug/kg	37.1	6.86	1	A
Aroclor 1262	ND		ug/kg	37.1	4.72	1	A
Aroclor 1268	ND		ug/kg	37.1	3.85	1	A
PCBs, Total	ND		ug/kg	37.1	3.30	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/25/22 13:34
Analyst: ER
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 03:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.54	1	A
Aroclor 1254	ND		ug/kg	37.0	4.04	1	A
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.69	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/22 09:43
Analyst: SDC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 10:49
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.6	3.25	1	A
Aroclor 1221	ND		ug/kg	36.6	3.67	1	A
Aroclor 1232	ND		ug/kg	36.6	7.76	1	A
Aroclor 1242	ND		ug/kg	36.6	4.94	1	A
Aroclor 1248	ND		ug/kg	36.6	5.49	1	A
Aroclor 1254	ND		ug/kg	36.6	4.00	1	A
Aroclor 1260	ND		ug/kg	36.6	6.76	1	A
Aroclor 1262	ND		ug/kg	36.6	4.65	1	A
Aroclor 1268	ND		ug/kg	36.6	3.79	1	A
PCBs, Total	ND		ug/kg	36.6	3.25	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 10:16
Analyst: AD
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.5	2.97	1	A
Aroclor 1221	ND		ug/kg	33.5	3.35	1	A
Aroclor 1232	ND		ug/kg	33.5	7.10	1	A
Aroclor 1242	ND		ug/kg	33.5	4.51	1	A
Aroclor 1248	ND		ug/kg	33.5	5.02	1	A
Aroclor 1254	ND		ug/kg	33.5	3.66	1	A
Aroclor 1260	ND		ug/kg	33.5	6.19	1	A
Aroclor 1262	ND		ug/kg	33.5	4.25	1	A
Aroclor 1268	ND		ug/kg	33.5	3.47	1	A
PCBs, Total	ND		ug/kg	33.5	2.97	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	67		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 10:55
Analyst: AD
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.5	3.15	1	A
Aroclor 1221	ND		ug/kg	35.5	3.56	1	A
Aroclor 1232	ND		ug/kg	35.5	7.52	1	A
Aroclor 1242	ND		ug/kg	35.5	4.78	1	A
Aroclor 1248	ND		ug/kg	35.5	5.32	1	A
Aroclor 1254	ND		ug/kg	35.5	3.88	1	A
Aroclor 1260	36.1		ug/kg	35.5	6.56	1	A
Aroclor 1262	ND		ug/kg	35.5	4.51	1	A
Aroclor 1268	ND		ug/kg	35.5	3.68	1	A
PCBs, Total	36.1		ug/kg	35.5	3.15	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	57		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	61		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 11:08
Analyst: AD
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.3	2.95	1	A
Aroclor 1221	ND		ug/kg	33.3	3.33	1	A
Aroclor 1232	ND		ug/kg	33.3	7.05	1	A
Aroclor 1242	ND		ug/kg	33.3	4.48	1	A
Aroclor 1248	ND		ug/kg	33.3	4.99	1	A
Aroclor 1254	ND		ug/kg	33.3	3.64	1	A
Aroclor 1260	ND		ug/kg	33.3	6.15	1	A
Aroclor 1262	ND		ug/kg	33.3	4.22	1	A
Aroclor 1268	ND		ug/kg	33.3	3.45	1	A
PCBs, Total	ND		ug/kg	33.3	2.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:49
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/26/22 03:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

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	91		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/28/22 14:32
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 03:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.14	1	A
Aroclor 1221	ND		ug/kg	35.3	3.54	1	A
Aroclor 1232	ND		ug/kg	35.3	7.49	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.30	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	12.2	J	ug/kg	35.3	6.53	1	B
Aroclor 1262	ND		ug/kg	35.3	4.49	1	A
Aroclor 1268	ND		ug/kg	35.3	3.66	1	A
PCBs, Total	12.2	J	ug/kg	35.3	3.14	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	68		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/23/22 10:42
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/23/22 01:26
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 12 Batch: WG1678400-1						
Aroclor 1016	ND		ug/kg	32.1	2.85	A
Aroclor 1221	ND		ug/kg	32.1	3.21	A
Aroclor 1232	ND		ug/kg	32.1	6.80	A
Aroclor 1242	ND		ug/kg	32.1	4.32	A
Aroclor 1248	ND		ug/kg	32.1	4.81	A
Aroclor 1254	ND		ug/kg	32.1	3.51	A
Aroclor 1260	ND		ug/kg	32.1	5.93	A
Aroclor 1262	ND		ug/kg	32.1	4.07	A
Aroclor 1268	ND		ug/kg	32.1	3.32	A
PCBs, Total	ND		ug/kg	32.1	2.85	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	56		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/24/22 07:42
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/23/22 17:21
Cleanup Method: EPA 3665A
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/24/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08 Batch: WG1678769-1						
Aroclor 1016	ND		ug/kg	1000	2.82	A
Aroclor 1221	ND		ug/kg	1000	3.18	A
Aroclor 1232	ND		ug/kg	1000	6.72	A
Aroclor 1242	ND		ug/kg	1000	4.27	A
Aroclor 1248	ND		ug/kg	1000	4.76	A
Aroclor 1254	ND		ug/kg	1000	3.47	A
Aroclor 1260	ND		ug/kg	1000	5.86	A
Aroclor 1262	ND		ug/kg	1000	4.03	A
Aroclor 1268	ND		ug/kg	1000	3.28	A
PCBs, Total	ND		ug/kg	1000	2.82	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/25/22 10:31
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/25/22 02:24
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,06,14,18,20,24-25 Batch: WG1679391-1						
Aroclor 1016	ND		ug/kg	32.6	2.89	A
Aroclor 1221	ND		ug/kg	32.6	3.26	A
Aroclor 1232	ND		ug/kg	32.6	6.90	A
Aroclor 1242	ND		ug/kg	32.6	4.39	A
Aroclor 1248	ND		ug/kg	32.6	4.88	A
Aroclor 1254	ND		ug/kg	32.6	3.56	A
Aroclor 1260	ND		ug/kg	32.6	6.02	A
Aroclor 1262	ND		ug/kg	32.6	4.13	A
Aroclor 1268	ND		ug/kg	32.6	3.37	A
PCBs, Total	ND		ug/kg	32.6	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	108		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	82		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/25/22 15:50
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/25/22 04:12
Cleanup Method: EPA 3665A
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 41,43,47 Batch: WG1679407-1						
Aroclor 1016	ND		ug/kg	32.5	2.88	A
Aroclor 1221	ND		ug/kg	32.5	3.26	A
Aroclor 1232	ND		ug/kg	32.5	6.89	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.87	A
Aroclor 1254	ND		ug/kg	32.5	3.55	A
Aroclor 1260	ND		ug/kg	32.5	6.00	A
Aroclor 1262	ND		ug/kg	32.5	4.13	A
Aroclor 1268	ND		ug/kg	32.5	3.36	A
PCBs, Total	ND		ug/kg	32.5	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:14
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/26/22 03:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 48 Batch: WG1679924-1						
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	93		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/28/22 12:50
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/27/22 03:04
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/27/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 55 Batch: WG1680322-1						
Aroclor 1016	ND		ug/kg	32.4	2.87	A
Aroclor 1221	ND		ug/kg	32.4	3.24	A
Aroclor 1232	ND		ug/kg	32.4	6.86	A
Aroclor 1242	ND		ug/kg	32.4	4.36	A
Aroclor 1248	ND		ug/kg	32.4	4.85	A
Aroclor 1254	ND		ug/kg	32.4	3.54	A
Aroclor 1260	ND		ug/kg	32.4	5.98	A
Aroclor 1262	ND		ug/kg	32.4	4.11	A
Aroclor 1268	ND		ug/kg	32.4	3.35	A
PCBs, Total	ND		ug/kg	32.4	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/29/22 08:32
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/28/22 10:45
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 37 Batch: WG1680557-1						
Aroclor 1016	ND		ug/kg	32.6	2.90	A
Aroclor 1221	ND		ug/kg	32.6	3.27	A
Aroclor 1232	ND		ug/kg	32.6	6.92	A
Aroclor 1242	ND		ug/kg	32.6	4.40	A
Aroclor 1248	ND		ug/kg	32.6	4.90	A
Aroclor 1260	ND		ug/kg	32.6	6.03	A
Aroclor 1262	ND		ug/kg	32.6	4.14	A
Aroclor 1268	ND		ug/kg	32.6	3.38	A
Aroclor 1254	ND		ug/kg	32.6	3.57	B
PCBs, Total	ND		ug/kg	32.6	2.90	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	70		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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: WG1678400-2 WG1678400-3									
Aroclor 1016	88		86		40-140	2		50	A
Aroclor 1260	79		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		75		30-150	A
Decachlorobiphenyl	80		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		56		30-150	B
Decachlorobiphenyl	60		57		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

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: WG1678769-2 WG1678769-3									
Aroclor 1016	96		92		40-140	4		50	A
Aroclor 1260	85		82		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		85		30-150	A
Decachlorobiphenyl	73		72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		87		30-150	B
Decachlorobiphenyl	79		77		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,06,14,18,20,24-25 Batch: WG1679391-2 WG1679391-3									
Aroclor 1016	99		113		40-140	13		50	A
Aroclor 1260	82		88		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	112		119		30-150	A
Decachlorobiphenyl	85		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		116		30-150	B
Decachlorobiphenyl	87		97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 41,43,47 Batch: WG1679407-2 WG1679407-3									
Aroclor 1016	69		69		40-140	0		50	A
Aroclor 1260	61		60		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		72		30-150	A
Decachlorobiphenyl	64		67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		70		30-150	B
Decachlorobiphenyl	63		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 48 Batch: WG1679924-2 WG1679924-3									
Aroclor 1016	83		82		40-140	1		50	A
Aroclor 1260	80		80		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	97		94		30-150	A
Decachlorobiphenyl	95		95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		93		30-150	B
Decachlorobiphenyl	101		100		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 55 Batch: WG1680322-2 WG1680322-3									
Aroclor 1016	96		93		40-140	3		50	A
Aroclor 1260	81		79		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		95		30-150	A
Decachlorobiphenyl	78		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		96		30-150	B
Decachlorobiphenyl	81		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 37 Batch: WG1680557-2 WG1680557-3									
Aroclor 1016	74		82		40-140	10		50	A
Aroclor 1260	63		74		40-140	16		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		82		30-150	A
Decachlorobiphenyl	62		74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		80		30-150	B
Decachlorobiphenyl	60		68		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 41,43,47 QC Batch ID: WG1679407-6 WG1679407-7 QC Sample: L2244887-41 Client ID: SB-8 (8-10')													
Aroclor 1016	ND	216	168	78		158	76		40-140	6		50	A
Aroclor 1260	ND	216	144	67		136	66		40-140	6		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		79		30-150	A
Decachlorobiphenyl	64		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		82		30-150	B
Decachlorobiphenyl	71		70		30-150	B

PESTICIDES

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 15:46
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

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	0.641	1	A
Heptachlor	ND		ug/kg	0.846	0.379	1	A
Aldrin	ND		ug/kg	1.69	0.595	1	A
Heptachlor epoxide	ND		ug/kg	3.17	0.951	1	A
Endrin	ND		ug/kg	0.705	0.289	1	A
Endrin aldehyde	ND		ug/kg	2.11	0.740	1	A
Endrin ketone	ND		ug/kg	1.69	0.435	1	A
Dieldrin	ND		ug/kg	1.06	0.528	1	A
4,4'-DDE	ND		ug/kg	1.69	0.391	1	A
4,4'-DDD	ND		ug/kg	1.69	0.603	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	0.565	1	A
Endosulfan sulfate	ND		ug/kg	0.705	0.335	1	A
Methoxychlor	ND		ug/kg	3.17	0.986	1	A
Toxaphene	ND		ug/kg	31.7	8.88	1	A
cis-Chlordane	ND		ug/kg	2.11	0.589	1	A
trans-Chlordane	ND		ug/kg	2.11	0.558	1	A
Chlordane	ND		ug/kg	14.1	5.60	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02 Date Collected: 08/18/22 09:45

Client ID: SB-21 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	101		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 16:15
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.1	1	A
2,4,5-T	ND		ug/kg	177	5.48	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	76		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 15:56
Analyst: AR
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.81	0.354	1	A
Lindane	ND		ug/kg	0.753	0.337	1	A
Alpha-BHC	ND		ug/kg	0.753	0.214	1	A
Beta-BHC	ND		ug/kg	1.81	0.686	1	A
Heptachlor	ND		ug/kg	0.904	0.405	1	A
Aldrin	ND		ug/kg	1.81	0.636	1	A
Heptachlor epoxide	ND		ug/kg	3.39	1.02	1	A
Endrin	ND		ug/kg	0.753	0.309	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.791	1	A
Endrin ketone	ND		ug/kg	1.81	0.466	1	A
Dieldrin	ND		ug/kg	1.13	0.565	1	A
4,4'-DDE	ND		ug/kg	1.81	0.418	1	A
4,4'-DDD	ND		ug/kg	1.81	0.645	1	A
4,4'-DDT	ND		ug/kg	1.81	1.45	1	A
Endosulfan I	ND		ug/kg	1.81	0.427	1	A
Endosulfan II	ND		ug/kg	1.81	0.604	1	A
Endosulfan sulfate	ND		ug/kg	0.753	0.359	1	A
Methoxychlor	ND		ug/kg	3.39	1.05	1	A
Toxaphene	ND		ug/kg	33.9	9.49	1	A
cis-Chlordane	ND		ug/kg	2.26	0.630	1	A
trans-Chlordane	ND		ug/kg	2.26	0.597	1	A
Chlordane	ND		ug/kg	15.1	5.99	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06 Date Collected: 08/18/22 09:55

Client ID: SB-21 (7-9') Date Received: 08/18/22

Sample Location: Not Specified 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	97		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 16:34
Analyst: AKM
Percent Solids: 85%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	195	12.3	1	A
2,4,5-T	ND		ug/kg	195	6.05	1	A
2,4,5-TP (Silvex)	ND		ug/kg	195	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**13**	Q	30-150	A
DCAA	31		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/23/22 11:06
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 03:00
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

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		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.698	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08 Date Collected: 08/18/22 11:10

Client ID: SB-23 (1-3') Date Received: 08/18/22

Sample Location: Not Specified 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	103		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 16:52
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	181	11.4	1	A
2,4,5-T	ND		ug/kg	181	5.62	1	A
2,4,5-TP (Silvex)	ND		ug/kg	181	4.82	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	**21**	Q	30-150	A
DCAA	36		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/23/22 10:34
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/23/22 03:00
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

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	ND		ug/kg	1.70	0.393	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	0.568	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	0.562	1	A
Chlordane	ND		ug/kg	14.2	5.64	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12 Date Collected: 08/18/22 11:20

Client ID: SB-23 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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	105		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	132		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 17:11
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.57	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	104		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 16:06
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.64	0.322	1	A
Lindane	ND		ug/kg	0.684	0.306	1	A
Alpha-BHC	ND		ug/kg	0.684	0.194	1	A
Beta-BHC	ND		ug/kg	1.64	0.623	1	A
Heptachlor	ND		ug/kg	0.821	0.368	1	A
Aldrin	ND		ug/kg	1.64	0.578	1	A
Heptachlor epoxide	ND		ug/kg	3.08	0.924	1	A
Endrin	ND		ug/kg	0.684	0.281	1	A
Endrin aldehyde	ND		ug/kg	2.05	0.719	1	A
Endrin ketone	ND		ug/kg	1.64	0.423	1	A
Dieldrin	ND		ug/kg	1.03	0.513	1	A
4,4'-DDE	ND		ug/kg	1.64	0.380	1	A
4,4'-DDD	ND		ug/kg	1.64	0.586	1	A
4,4'-DDT	ND		ug/kg	1.64	1.32	1	A
Endosulfan I	ND		ug/kg	1.64	0.388	1	A
Endosulfan II	ND		ug/kg	1.64	0.549	1	A
Endosulfan sulfate	ND		ug/kg	0.684	0.326	1	A
Methoxychlor	ND		ug/kg	3.08	0.958	1	A
Toxaphene	ND		ug/kg	30.8	8.62	1	A
cis-Chlordane	ND		ug/kg	2.05	0.572	1	A
trans-Chlordane	ND		ug/kg	2.05	0.542	1	A
Chlordane	ND		ug/kg	13.7	5.44	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14 Date Collected: 08/18/22 13:45

Client ID: SB-18 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	102		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 17:29
Analyst: AKM
Percent Solids: 92%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	175	11.0	1	A
2,4,5-T	ND		ug/kg	175	5.44	1	A
2,4,5-TP (Silvex)	ND		ug/kg	175	4.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	86		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 16:17
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.630	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.585	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.428	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	1.66	1.34	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.969	1	A
Toxaphene	ND		ug/kg	31.1	8.72	1	A
cis-Chlordane	ND		ug/kg	2.08	0.578	1	A
trans-Chlordane	ND		ug/kg	2.08	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18 Date Collected: 08/18/22 13:55

Client ID: SB-18 (4-6') Date Received: 08/18/22

Sample Location: Not Specified 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	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/23/22 17:48
Analyst: AKM
Percent Solids: 92%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.1	1	A
2,4,5-T	ND		ug/kg	177	5.49	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	90		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 16:27
Analyst: AR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.63	0.318	1	A
Lindane	ND		ug/kg	0.678	0.303	1	A
Alpha-BHC	ND		ug/kg	0.678	0.192	1	A
Beta-BHC	ND		ug/kg	1.63	0.616	1	A
Heptachlor	ND		ug/kg	0.813	0.364	1	A
Aldrin	ND		ug/kg	1.63	0.572	1	A
Heptachlor epoxide	ND		ug/kg	3.05	0.915	1	A
Endrin	ND		ug/kg	0.678	0.278	1	A
Endrin aldehyde	ND		ug/kg	2.03	0.711	1	A
Endrin ketone	ND		ug/kg	1.63	0.419	1	A
Dieldrin	ND		ug/kg	1.02	0.508	1	A
4,4'-DDE	ND		ug/kg	1.63	0.376	1	A
4,4'-DDD	ND		ug/kg	1.63	0.580	1	A
4,4'-DDT	ND		ug/kg	1.63	1.31	1	A
Endosulfan I	ND		ug/kg	1.63	0.384	1	A
Endosulfan II	ND		ug/kg	1.63	0.543	1	A
Endosulfan sulfate	ND		ug/kg	0.678	0.322	1	A
Methoxychlor	ND		ug/kg	3.05	0.949	1	A
Toxaphene	ND		ug/kg	30.5	8.54	1	A
cis-Chlordane	ND		ug/kg	2.03	0.566	1	A
trans-Chlordane	ND		ug/kg	2.03	0.537	1	A
Chlordane	ND		ug/kg	13.6	5.39	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20 Date Collected: 08/18/22 14:40

Client ID: SB-27 (0-2') Date Received: 08/18/22

Sample Location: Not Specified 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	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 21:04
Analyst: AKM
Percent Solids: 95%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.36	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	39		30-150	A
DCAA	39		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 16:38
Analyst: AR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

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	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	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	0.751	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	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.643	1	A
4,4'-DDT	ND		ug/kg	1.80	1.45	1	A
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	0.751	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	5.97	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24 Date Collected: 08/18/22 14:50

Client ID: SB-27 (8-10') Date Received: 08/18/22

Sample Location: Not Specified 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	82		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 21:23
Analyst: AKM
Percent Solids: 87%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.79	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	104		30-150	A
DCAA	93		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/25/22 16:48
Analyst: AR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/25/22 01:18
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

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	0.619	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	ND		ug/kg	1.76	0.406	1	A
4,4'-DDD	ND		ug/kg	1.76	0.627	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	2.20	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25 Date Collected: 08/18/22 00:00

Client ID: DUP-SOIL-8.18.22 Date Received: 08/18/22

Sample Location: Not Specified 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	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/22/22 21:41
Analyst: AKM
Percent Solids: 88%
Methylation Date: 08/21/22 23:45

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.76	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.95	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	90		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/22 15:13
Analyst: AR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.356	1	A
Lindane	ND		ug/kg	0.758	0.339	1	A
Alpha-BHC	ND		ug/kg	0.758	0.215	1	A
Beta-BHC	ND		ug/kg	1.82	0.689	1	A
Heptachlor	ND		ug/kg	0.909	0.408	1	A
Aldrin	ND		ug/kg	1.82	0.640	1	A
Heptachlor epoxide	ND		ug/kg	3.41	1.02	1	A
Endrin	ND		ug/kg	0.758	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.27	0.795	1	A
Endrin ketone	ND		ug/kg	1.82	0.468	1	A
Dieldrin	ND		ug/kg	1.14	0.568	1	A
4,4'-DDE	ND		ug/kg	1.82	0.420	1	A
4,4'-DDD	ND		ug/kg	1.82	0.648	1	A
4,4'-DDT	ND		ug/kg	1.82	1.46	1	A
Endosulfan I	ND		ug/kg	1.82	0.430	1	A
Endosulfan II	ND		ug/kg	1.82	0.608	1	A
Endosulfan sulfate	ND		ug/kg	0.758	0.360	1	A
Methoxychlor	ND		ug/kg	3.41	1.06	1	A
Toxaphene	ND		ug/kg	34.1	9.54	1	A
cis-Chlordane	ND		ug/kg	2.27	0.633	1	A
trans-Chlordane	ND		ug/kg	2.27	0.600	1	A
Chlordane	ND		ug/kg	15.2	6.02	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37 Date Collected: 08/19/22 09:30

Client ID: SB-8 (1-3') Date Received: 08/19/22

Sample Location: Not Specified 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	87		30-150	B
Decachlorobiphenyl	119		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/24/22 09:03
Analyst: EJL
Percent Solids: 86%
Methylation Date: 08/23/22 16:35

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	12.0	1	A
2,4,5-T	ND		ug/kg	190	5.90	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	85		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/22 14:40
Analyst: AR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.62	0.317	1	A
Lindane	ND		ug/kg	0.674	0.301	1	A
Alpha-BHC	ND		ug/kg	0.674	0.191	1	A
Beta-BHC	ND		ug/kg	1.62	0.613	1	A
Heptachlor	ND		ug/kg	0.809	0.362	1	A
Aldrin	ND		ug/kg	1.62	0.569	1	A
Heptachlor epoxide	ND		ug/kg	3.03	0.910	1	A
Endrin	ND		ug/kg	0.674	0.276	1	A
Endrin aldehyde	ND		ug/kg	2.02	0.708	1	A
Endrin ketone	ND		ug/kg	1.62	0.416	1	A
Dieldrin	ND		ug/kg	1.01	0.505	1	A
4,4'-DDE	ND		ug/kg	1.62	0.374	1	A
4,4'-DDD	ND		ug/kg	1.62	0.577	1	A
4,4'-DDT	ND		ug/kg	1.62	1.30	1	A
Endosulfan I	ND		ug/kg	1.62	0.382	1	A
Endosulfan II	ND		ug/kg	1.62	0.540	1	A
Endosulfan sulfate	ND		ug/kg	0.674	0.321	1	A
Methoxychlor	ND		ug/kg	3.03	0.943	1	A
Toxaphene	ND		ug/kg	30.3	8.49	1	A
cis-Chlordane	ND		ug/kg	2.02	0.563	1	A
trans-Chlordane	ND		ug/kg	2.02	0.534	1	A
Chlordane	ND		ug/kg	13.5	5.36	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41 Date Collected: 08/19/22 09:40

Client ID: SB-8 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	89		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	107		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/24/22 08:26
Analyst: EJL
Percent Solids: 95%
Methylation Date: 08/23/22 16:35

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.9	1	A
2,4,5-T	ND		ug/kg	172	5.34	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.59	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	88		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/22 15:23
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

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	0.321	1	A
Alpha-BHC	ND		ug/kg	0.717	0.204	1	A
Beta-BHC	ND		ug/kg	1.72	0.653	1	A
Heptachlor	ND		ug/kg	0.861	0.386	1	A
Aldrin	ND		ug/kg	1.72	0.606	1	A
Heptachlor epoxide	ND	IP	ug/kg	3.23	0.968	1	B
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	1.38		ug/kg	1.08	0.538	1	B
4,4'-DDE	1.76		ug/kg	1.72	0.398	1	B
4,4'-DDD	ND		ug/kg	1.72	0.614	1	A
4,4'-DDT	5.37		ug/kg	1.72	1.38	1	B
Endosulfan I	ND		ug/kg	1.72	0.407	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	3.23	1.00	1	A
Toxaphene	ND		ug/kg	32.3	9.04	1	A
cis-Chlordane	ND	IP	ug/kg	2.15	0.600	1	A
trans-Chlordane	ND	IP	ug/kg	2.15	0.568	1	B
Chlordane	ND		ug/kg	14.3	5.70	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43 Date Collected: 08/19/22 12:10

Client ID: SB-05 (1-3') Date Received: 08/19/22

Sample Location: Not Specified 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	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/24/22 09:21
Analyst: EJL
Percent Solids: 92%
Methylation Date: 08/23/22 16:35

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.69	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	68		30-150	A
DCAA	57		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/26/22 15:35
Analyst: AR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

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		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.598	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.560	1	A
Endosulfan sulfate	ND		ug/kg	0.698	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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47 Date Collected: 08/19/22 12:20

Client ID: SB-05 (8-10') Date Received: 08/19/22

Sample Location: Not Specified 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	90		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	103		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/24/22 09:39
Analyst: EJL
Percent Solids: 95%
Methylation Date: 08/23/22 16:35

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 07:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.40	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	98		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/26/22 10:36
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

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: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48 Date Collected: 08/19/22 14:15

Client ID: FIELD BLANK-SOIL-8.19.22 Date Received: 08/19/22

Sample Location: Not Specified 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	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/23/22 14:30
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 06:20

Methylation Date: 08/22/22 23:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	95		30-150	B

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/22 10:23
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/29/22 13:39
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.329	1	A
Lindane	ND		ug/kg	0.700	0.313	1	A
Alpha-BHC	ND		ug/kg	0.700	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.637	1	A
Heptachlor	ND		ug/kg	0.840	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.592	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.945	1	B
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	2.21		ug/kg	1.68	0.389	1	B
4,4'-DDD	3.13		ug/kg	1.68	0.599	1	B
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.980	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	3.09		ug/kg	2.10	0.585	1	B
trans-Chlordane	0.571	JIP	ug/kg	2.10	0.554	1	B
Chlordane	ND		ug/kg	14.0	5.57	1	A

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55 Date Collected: 08/22/22 08:45

Client ID: SB-04 (1-3') Date Received: 08/22/22

Sample Location: Not Specified 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	109		30-150	A
Decachlorobiphenyl	122		30-150	A
2,4,5,6-Tetrachloro-m-xylene	116		30-150	B
Decachlorobiphenyl	**191**	Q	30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 01:02
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.49	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	104		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/22/22 15:30
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/20/22 08:40

Methylation Date: 08/21/22 23:45

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677592-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	92		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/23/22 11:27
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 06:20

Methylation Date: 08/22/22 23:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 48 Batch: WG1678004-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	114		30-150	A
DCAA	104		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/23/22 07:29
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/22/22 07:36

Methylation Date: 08/22/22 23:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 37,41,43,47 Batch: WG1678023-1						
2,4-D	ND		ug/kg	164	10.4	A
2,4,5-T	ND		ug/kg	164	5.10	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.38	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	89		30-150	A
DCAA	92		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/23/22 09:50
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/23/22 03:00
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,12 Batch: WG1678404-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/23/22 09:50
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/23/22 03:00
Cleanup Method: EPA 3620B
Cleanup Date: 08/23/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/23/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 08,12 Batch: WG1678404-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	117		30-150	A
2,4,5,6-Tetrachloro-m-xylene	97		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/25/22 20:45
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Methylation Date: 08/25/22 15:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 55 Batch: WG1678917-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.09	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	99		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/22 14:23
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 08/25/22 00:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,06,14,18,20,24-25 Batch: WG1679384-1						
Delta-BHC	ND		ug/kg	1.53	0.299	A
Lindane	ND		ug/kg	0.636	0.284	A
Alpha-BHC	ND		ug/kg	0.636	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.579	A
Heptachlor	ND		ug/kg	0.764	0.342	A
Aldrin	ND		ug/kg	1.53	0.538	A
Heptachlor epoxide	ND		ug/kg	2.86	0.859	A
Endrin	ND		ug/kg	0.636	0.261	A
Endrin aldehyde	ND		ug/kg	1.91	0.668	A
Endrin ketone	ND		ug/kg	1.53	0.393	A
Dieldrin	ND		ug/kg	0.955	0.477	A
4,4'-DDE	ND		ug/kg	1.53	0.353	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	0.510	A
Endosulfan sulfate	ND		ug/kg	0.636	0.303	A
Methoxychlor	ND		ug/kg	2.86	0.891	A
Toxaphene	ND		ug/kg	28.6	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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/25/22 14:23
Analyst: EJL

Extraction Method: EPA 3546
Extraction Date: 08/25/22 00:27
Cleanup Method: EPA 3620B
Cleanup Date: 08/25/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/25/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,06,14,18,20,24-25 Batch: WG1679384-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 09:51
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 48 Batch: WG1679888-1						
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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 09:51
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 08/25/22 23:28

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 48 Batch: WG1679888-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		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: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 14:07
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 37,41,43,47 Batch: WG1679906-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	0.241	JP	ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.857	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	1.52	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.7	5.05	A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/26/22 14:07
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 37,41,43,47 Batch: WG1679906-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	106		30-150	B

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/22 09:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 55 Batch: WG1680923-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.776	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.873	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.679	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.970	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	1.55	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.15	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/22 09:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 55 Batch: WG1680923-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	112		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,06,08,12,14,18,20,24-25 Batch: WG1677592-2 WG1677592-3									
2,4-D	101		95		30-150	6		30	A
2,4,5-T	93		89		30-150	4		30	A
2,4,5-TP (Silvex)	94		88		30-150	7		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	110		105		30-150	A
DCAA	105		127		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 48 Batch: WG1678004-2 WG1678004-3									
2,4-D	121		114		30-150	6		25	A
2,4,5-T	124		117		30-150	6		25	A
2,4,5-TP (Silvex)	110		108		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	117		109		30-150	A
DCAA	128		118		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 37,41,43,47 Batch: WG1678023-2 WG1678023-3									
2,4-D	88		93		30-150	6		30	A
2,4,5-T	87		95		30-150	9		30	A
2,4,5-TP (Silvex)	82		89		30-150	8		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	74		82		30-150	A
DCAA	81		83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,12 Batch: WG1678404-2 WG1678404-3									
Delta-BHC	102		115		30-150	12		30	A
Lindane	93		105		30-150	12		30	A
Alpha-BHC	97		110		30-150	13		30	A
Beta-BHC	105		94		30-150	11		30	A
Heptachlor	96		107		30-150	11		30	A
Aldrin	97		106		30-150	9		30	A
Heptachlor epoxide	85		90		30-150	6		30	A
Endrin	97		104		30-150	7		30	A
Endrin aldehyde	83		85		30-150	2		30	A
Endrin ketone	99		115		30-150	15		30	A
Dieldrin	105		112		30-150	6		30	A
4,4'-DDE	100		108		30-150	8		30	A
4,4'-DDD	107		114		30-150	6		30	A
4,4'-DDT	109		118		30-150	8		30	A
Endosulfan I	93		103		30-150	10		30	A
Endosulfan II	98		104		30-150	6		30	A
Endosulfan sulfate	85		95		30-150	11		30	A
Methoxychlor	101		114		30-150	12		30	A
cis-Chlordane	99		107		30-150	8		30	A
trans-Chlordane	119		126		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 08,12 Batch: WG1678404-2 WG1678404-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		97		30-150	A
Decachlorobiphenyl	114		120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		99		30-150	B
Decachlorobiphenyl	109		114		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1678917-2 WG1678917-3									
2,4-D	123		121		30-150	2		30	A
2,4,5-T	137		131		30-150	4		30	A
2,4,5-TP (Silvex)	116		116		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	113		102		30-150	A
DCAA	113		109		30-150	B

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,06,14,18,20,24-25 Batch: WG1679384-2 WG1679384-3									
Delta-BHC	109		105		30-150	4		30	A
Lindane	88		85		30-150	3		30	A
Alpha-BHC	90		87		30-150	3		30	A
Beta-BHC	91		82		30-150	10		30	A
Heptachlor	94		89		30-150	5		30	A
Aldrin	86		82		30-150	5		30	A
Heptachlor epoxide	80		76		30-150	5		30	A
Endrin	89		86		30-150	3		30	A
Endrin aldehyde	72		69		30-150	4		30	A
Endrin ketone	86		81		30-150	6		30	A
Dieldrin	88		82		30-150	7		30	A
4,4'-DDE	88		82		30-150	7		30	A
4,4'-DDD	100		96		30-150	4		30	A
4,4'-DDT	96		90		30-150	6		30	A
Endosulfan I	84		80		30-150	5		30	A
Endosulfan II	87		85		30-150	2		30	A
Endosulfan sulfate	85		82		30-150	4		30	A
Methoxychlor	92		86		30-150	7		30	A
cis-Chlordane	84		78		30-150	7		30	A
trans-Chlordane	106		98		30-150	8		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,06,14,18,20,24-25 Batch: WG1679384-2 WG1679384-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		82		30-150	A
Decachlorobiphenyl	97		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		87		30-150	B
Decachlorobiphenyl	90		89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 48 Batch: WG1679888-2 WG1679888-3									
Delta-BHC	48		49		30-150	3		20	A
Lindane	81		82		30-150	1		20	A
Alpha-BHC	81		82		30-150	1		20	A
Beta-BHC	77		79		30-150	2		20	A
Heptachlor	80		82		30-150	2		20	A
Aldrin	82		85		30-150	3		20	A
Heptachlor epoxide	78		81		30-150	4		20	A
Endrin	76		78		30-150	3		20	A
Endrin aldehyde	63		68		30-150	6		20	A
Endrin ketone	77		81		30-150	5		20	A
Dieldrin	90		94		30-150	4		20	A
4,4'-DDE	82		84		30-150	3		20	A
4,4'-DDD	82		84		30-150	3		20	A
4,4'-DDT	81		85		30-150	4		20	A
Endosulfan I	80		86		30-150	8		20	A
Endosulfan II	78		83		30-150	5		20	A
Endosulfan sulfate	69		73		30-150	6		20	A
Methoxychlor	80		86		30-150	7		20	A
cis-Chlordane	76		77		30-150	2		20	A
trans-Chlordane	98		102		30-150	4		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 48 Batch: WG1679888-2 WG1679888-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		88		30-150	A
Decachlorobiphenyl	77		80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		78		30-150	B
Decachlorobiphenyl	84		85		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 37,41,43,47 Batch: WG1679906-2 WG1679906-3									
Delta-BHC	109		111		30-150	2		30	A
Lindane	97		98		30-150	1		30	A
Alpha-BHC	102		104		30-150	2		30	A
Beta-BHC	103		98		30-150	5		30	A
Heptachlor	100		107		30-150	7		30	A
Aldrin	98		101		30-150	3		30	A
Heptachlor epoxide	89		89		30-150	0		30	A
Endrin	97		102		30-150	5		30	A
Endrin aldehyde	74		78		30-150	5		30	A
Endrin ketone	105		108		30-150	3		30	A
Dieldrin	104		111		30-150	7		30	A
4,4'-DDE	99		107		30-150	8		30	A
4,4'-DDD	109		114		30-150	4		30	A
4,4'-DDT	111		114		30-150	3		30	A
Endosulfan I	93		100		30-150	7		30	A
Endosulfan II	100		103		30-150	3		30	A
Endosulfan sulfate	94		94		30-150	0		30	A
Methoxychlor	100		108		30-150	8		30	A
cis-Chlordane	101		103		30-150	2		30	A
trans-Chlordane	112		113		30-150	1		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 37,41,43,47 Batch: WG1679906-2 WG1679906-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		98		30-150	A
Decachlorobiphenyl	111		120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		102		30-150	B
Decachlorobiphenyl	120		121		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1680923-2 WG1680923-3									
Delta-BHC	111		112		30-150	1		30	A
Lindane	101		102		30-150	1		30	A
Alpha-BHC	106		107		30-150	1		30	A
Beta-BHC	89		94		30-150	5		30	A
Heptachlor	108		107		30-150	1		30	A
Aldrin	106		106		30-150	0		30	A
Heptachlor epoxide	97		96		30-150	1		30	A
Endrin	107		106		30-150	1		30	A
Endrin aldehyde	84		83		30-150	1		30	A
Endrin ketone	110		109		30-150	1		30	A
Dieldrin	113		113		30-150	0		30	A
4,4'-DDE	109		108		30-150	1		30	A
4,4'-DDD	119		118		30-150	1		30	A
4,4'-DDT	117		117		30-150	0		30	A
Endosulfan I	101		100		30-150	1		30	A
Endosulfan II	109		109		30-150	0		30	A
Endosulfan sulfate	93		97		30-150	4		30	A
Methoxychlor	111		117		30-150	5		30	A
cis-Chlordane	109		109		30-150	0		30	A
trans-Chlordane	123		123		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 55 Batch: WG1680923-2 WG1680923-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		95		30-150	A
Decachlorobiphenyl	108		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		95		30-150	B
Decachlorobiphenyl	117		117		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 37,41,43,47 QC Batch ID: WG1678023-4 WG1678023-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')													
2,4-D	ND	173	279	**161**	Q	148J	85		30-150	**61**	Q	30	A
2,4,5-T	ND	173	188	109		157J	91		30-150	18		30	A
2,4,5-TP (Silvex)	ND	173	171J	99		147J	85		30-150	15		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	103		90		30-150	A
DCAA	107		96		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

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): 37,41,43,47 QC Batch ID: WG1679906-4 WG1679906-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')													
Delta-BHC	ND	33.8	23.4	69		32.2	96		30-150	32		50	A
Lindane	ND	33.8	23.1	68		28.8	86		30-150	22		50	A
Alpha-BHC	ND	33.8	25.8	76		30.7	92		30-150	17		50	A
Beta-BHC	ND	33.8	22.6	67		27.0	81		30-150	18		50	A
Heptachlor	ND	33.8	26.7	79		29.8	89		30-150	11		50	A
Aldrin	ND	33.8	27.0	80		29.5	88		30-150	9		50	A
Heptachlor epoxide	ND	33.8	22.4	66		27.0	81		30-150	19		50	A
Endrin	ND	33.8	24.0	71		28.6	85		30-150	17		50	A
Endrin aldehyde	ND	33.8	12.6	37		22.2	66		30-150	**55**	Q	50	A
Endrin ketone	ND	33.8	17.6	52		30.7	92		30-150	**54**	Q	50	A
Dieldrin	ND	33.8	25.6	76		30.8	92		30-150	18		50	A
4,4'-DDE	ND	33.8	27.4	81		29.5	88		30-150	7		50	A
4,4'-DDD	ND	33.8	26.1	77		31.6	94		30-150	19		50	A
4,4'-DDT	ND	33.8	27.8	82		31.9	95		30-150	14		50	A
Endosulfan I	ND	33.8	24.0	71		28.0	84		30-150	15		50	A
Endosulfan II	ND	33.8	20.8	62		29.3	87		30-150	34		50	A
Endosulfan sulfate	ND	33.8	14.4	43		26.8	80		30-150	**60**	Q	50	A
Methoxychlor	ND	33.8	20.4	60		30.7	92		30-150	40		50	A
cis-Chlordane	ND	33.8	26.6	79		30.2	90		30-150	13		50	A
trans-Chlordane	ND	33.8	29.2	86		34.0	101		30-150	15		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 151ST STREET RI	***Lab Number:***	L2244887
Project Number:	41.0162951.10	***Report Date:***	09/06/22

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): 37,41,43,47 QC Batch ID: WG1679906-4 WG1679906-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*	*Column*
2,4,5,6-Tetrachloro-m-xylene	77		88		30-150	A
Decachlorobiphenyl	101		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		91		30-150	B
Decachlorobiphenyl	108		109		30-150	B

METALS

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified
Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7270		mg/kg	8.56	2.31	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.28	0.325	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Arsenic, Total	4.71		mg/kg	0.856	0.178	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Barium, Total	89.0		mg/kg	0.856	0.149	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Beryllium, Total	0.300	J	mg/kg	0.428	0.028	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Cadmium, Total	0.702	J	mg/kg	0.856	0.084	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Calcium, Total	1900		mg/kg	8.56	3.00	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Chromium, Total	16.4		mg/kg	0.856	0.082	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Cobalt, Total	6.78		mg/kg	1.71	0.142	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Copper, Total	52.4		mg/kg	0.856	0.221	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Iron, Total	15500		mg/kg	4.28	0.773	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Lead, Total	129		mg/kg	4.28	0.229	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Magnesium, Total	2580		mg/kg	8.56	1.32	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Manganese, Total	197		mg/kg	0.856	0.136	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Mercury, Total	0.581		mg/kg	0.069	0.045	1	08/19/22 09:45	08/24/22 13:11	EPA 7471B	1,7471B	DMB
Nickel, Total	11.0		mg/kg	2.14	0.207	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Potassium, Total	2220		mg/kg	214	12.3	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.71	0.221	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.856	0.242	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Sodium, Total	129	J	mg/kg	171	2.70	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.71	0.270	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Vanadium, Total	24.0		mg/kg	0.856	0.174	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC
Zinc, Total	93.5		mg/kg	4.28	0.251	2	08/19/22 08:20	08/25/22 15:15	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-04
Client ID: SB-21 (3-6')
Sample Location: Not Specified
Date Collected: 08/18/22 09:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4560		mg/kg	8.04	2.17	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.02	0.306	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Arsenic, Total	2.93		mg/kg	0.804	0.167	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Barium, Total	41.0		mg/kg	0.804	0.140	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Beryllium, Total	0.233	J	mg/kg	0.402	0.027	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Cadmium, Total	0.370	J	mg/kg	0.804	0.079	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Calcium, Total	2290		mg/kg	8.04	2.81	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Chromium, Total	10.3		mg/kg	0.804	0.077	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Cobalt, Total	4.00		mg/kg	1.61	0.133	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Copper, Total	9.94		mg/kg	0.804	0.207	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Iron, Total	9310		mg/kg	4.02	0.726	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Lead, Total	67.9		mg/kg	4.02	0.216	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Magnesium, Total	2020		mg/kg	8.04	1.24	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Manganese, Total	235		mg/kg	0.804	0.128	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Mercury, Total	0.055	J	mg/kg	0.065	0.043	1	08/19/22 09:45	08/24/22 13:31	EPA 7471B	1,7471B	DMB
Nickel, Total	7.04		mg/kg	2.01	0.195	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Potassium, Total	998		mg/kg	201	11.6	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.61	0.207	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.804	0.228	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Sodium, Total	98.8	J	mg/kg	161	2.53	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.61	0.253	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Vanadium, Total	13.5		mg/kg	0.804	0.163	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC
Zinc, Total	31.4		mg/kg	4.02	0.236	2	08/19/22 08:20	08/25/22 15:10	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified
Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4010		mg/kg	8.87	2.40	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.44	0.337	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Arsenic, Total	1.22		mg/kg	0.887	0.184	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Barium, Total	19.0		mg/kg	0.887	0.154	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Beryllium, Total	0.240	J	mg/kg	0.444	0.029	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Cadmium, Total	0.302	J	mg/kg	0.887	0.087	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Calcium, Total	695		mg/kg	8.87	3.10	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Chromium, Total	6.85		mg/kg	0.887	0.085	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Cobalt, Total	3.24		mg/kg	1.77	0.147	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Copper, Total	6.10		mg/kg	0.887	0.229	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Iron, Total	8190		mg/kg	4.44	0.801	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Lead, Total	4.21	J	mg/kg	4.44	0.238	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Magnesium, Total	1530		mg/kg	8.87	1.37	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Manganese, Total	233		mg/kg	0.887	0.141	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.075	0.049	1	08/19/22 09:45	08/24/22 13:35	EPA 7471B	1,7471B	DMB
Nickel, Total	6.51		mg/kg	2.22	0.215	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Potassium, Total	556		mg/kg	222	12.8	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.229	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.887	0.251	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Sodium, Total	59.4	J	mg/kg	177	2.80	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.280	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Vanadium, Total	10.3		mg/kg	0.887	0.180	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC
Zinc, Total	14.4		mg/kg	4.44	0.260	2	08/19/22 08:20	08/25/22 14:47	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified
Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7000		mg/kg	8.51	2.30	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.26	0.323	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Arsenic, Total	6.78		mg/kg	0.851	0.177	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Barium, Total	78.8		mg/kg	0.851	0.148	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Beryllium, Total	0.298	J	mg/kg	0.426	0.028	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Cadmium, Total	1.48		mg/kg	0.851	0.083	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Calcium, Total	9020		mg/kg	8.51	2.98	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Chromium, Total	19.9		mg/kg	0.851	0.082	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Cobalt, Total	7.94		mg/kg	1.70	0.141	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Copper, Total	80.4		mg/kg	0.851	0.220	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Iron, Total	28100		mg/kg	4.26	0.769	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Lead, Total	86.1		mg/kg	4.26	0.228	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Magnesium, Total	4280		mg/kg	8.51	1.31	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Manganese, Total	297		mg/kg	0.851	0.135	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Mercury, Total	0.245		mg/kg	0.069	0.045	1	08/19/22 09:45	08/24/22 13:38	EPA 7471B	1,7471B	DMB
Nickel, Total	15.7		mg/kg	2.13	0.206	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Potassium, Total	2050		mg/kg	213	12.2	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.70	0.220	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.851	0.241	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Sodium, Total	183		mg/kg	170	2.68	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.70	0.268	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Vanadium, Total	26.1		mg/kg	0.851	0.173	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC
Zinc, Total	222		mg/kg	4.26	0.249	2	08/19/22 08:20	08/25/22 14:52	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-10
Client ID: SB-23 (4-7')
Sample Location: Not Specified
Date Collected: 08/18/22 11:15
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4580		mg/kg	8.20	2.22	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.10	0.312	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Arsenic, Total	1.57		mg/kg	0.820	0.171	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Barium, Total	18.8		mg/kg	0.820	0.143	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Beryllium, Total	0.246	J	mg/kg	0.410	0.027	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Cadmium, Total	0.328	J	mg/kg	0.820	0.080	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Calcium, Total	2530		mg/kg	8.20	2.87	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Chromium, Total	6.82		mg/kg	0.820	0.079	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Cobalt, Total	3.31		mg/kg	1.64	0.136	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Copper, Total	5.98		mg/kg	0.820	0.212	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Iron, Total	8690		mg/kg	4.10	0.741	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Lead, Total	3.89	J	mg/kg	4.10	0.220	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Magnesium, Total	1680		mg/kg	8.20	1.26	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Manganese, Total	284		mg/kg	0.820	0.130	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	08/19/22 09:45	08/24/22 13:41	EPA 7471B	1,7471B	DMB
Nickel, Total	7.09		mg/kg	2.05	0.198	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Potassium, Total	509		mg/kg	205	11.8	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.64	0.212	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.820	0.232	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Sodium, Total	89.8	J	mg/kg	164	2.58	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.64	0.258	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Vanadium, Total	10.5		mg/kg	0.820	0.166	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC
Zinc, Total	14.1		mg/kg	4.10	0.240	2	08/19/22 08:20	08/25/22 14:57	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified
Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3320		mg/kg	8.38	2.26	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.19	0.318	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Arsenic, Total	0.838		mg/kg	0.838	0.174	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Barium, Total	11.7		mg/kg	0.838	0.146	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.184	J	mg/kg	0.419	0.028	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Cadmium, Total	0.251	J	mg/kg	0.838	0.082	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Calcium, Total	485		mg/kg	8.38	2.93	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Chromium, Total	5.78		mg/kg	0.838	0.080	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Cobalt, Total	2.78		mg/kg	1.68	0.139	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Copper, Total	4.58		mg/kg	0.838	0.216	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Iron, Total	6620		mg/kg	4.19	0.756	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Lead, Total	7.28		mg/kg	4.19	0.224	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Magnesium, Total	1310		mg/kg	8.38	1.29	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Manganese, Total	80.0		mg/kg	0.838	0.133	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.069	0.045	1	08/19/22 09:45	08/24/22 13:45	EPA 7471B	1,7471B	DMB
Nickel, Total	5.77		mg/kg	2.09	0.203	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Potassium, Total	434		mg/kg	209	12.1	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.216	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.838	0.237	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Sodium, Total	53.6	J	mg/kg	168	2.64	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.264	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Vanadium, Total	8.34		mg/kg	0.838	0.170	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC
Zinc, Total	11.3		mg/kg	4.19	0.245	2	08/19/22 08:20	08/25/22 15:01	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified
Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5030		mg/kg	8.46	2.28	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.23	0.321	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Arsenic, Total	2.23		mg/kg	0.846	0.176	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Barium, Total	29.5		mg/kg	0.846	0.147	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.279	J	mg/kg	0.423	0.028	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Cadmium, Total	0.389	J	mg/kg	0.846	0.083	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Calcium, Total	2460		mg/kg	8.46	2.96	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Chromium, Total	9.30		mg/kg	0.846	0.081	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Cobalt, Total	3.63		mg/kg	1.69	0.140	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Copper, Total	8.48		mg/kg	0.846	0.218	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Iron, Total	9030		mg/kg	4.23	0.763	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Lead, Total	18.2		mg/kg	4.23	0.226	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Magnesium, Total	1620		mg/kg	8.46	1.30	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Manganese, Total	247		mg/kg	0.846	0.134	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Mercury, Total	0.059	J	mg/kg	0.068	0.044	1	08/19/22 09:45	08/24/22 13:48	EPA 7471B	1,7471B	DMB
Nickel, Total	7.42		mg/kg	2.11	0.205	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Potassium, Total	639		mg/kg	211	12.2	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.846	0.239	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Sodium, Total	165	J	mg/kg	169	2.66	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Vanadium, Total	14.0		mg/kg	0.846	0.172	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC
Zinc, Total	28.4		mg/kg	4.23	0.248	2	08/19/22 08:20	08/25/22 15:06	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-16
Client ID: SB-18 (2-4')
Sample Location: Not Specified
Date Collected: 08/18/22 13:50
Date Received: 08/18/22
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	4060		mg/kg	8.41	2.27	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Arsenic, Total	1.17		mg/kg	0.841	0.175	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Barium, Total	18.4		mg/kg	0.841	0.146	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Beryllium, Total	0.227	J	mg/kg	0.421	0.028	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Cadmium, Total	0.303	J	mg/kg	0.841	0.082	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Calcium, Total	489		mg/kg	8.41	2.94	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Chromium, Total	6.80		mg/kg	0.841	0.081	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Cobalt, Total	3.24		mg/kg	1.68	0.140	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Copper, Total	5.45		mg/kg	0.841	0.217	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Iron, Total	8220		mg/kg	4.21	0.760	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Lead, Total	2.95	J	mg/kg	4.21	0.225	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Magnesium, Total	1290		mg/kg	8.41	1.30	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Manganese, Total	261		mg/kg	0.841	0.134	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	08/19/22 09:45	08/24/22 13:51	EPA 7471B	1,7471B	DMB
Nickel, Total	6.25		mg/kg	2.10	0.204	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Potassium, Total	476		mg/kg	210	12.1	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.841	0.238	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Sodium, Total	379		mg/kg	168	2.65	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Vanadium, Total	10.5		mg/kg	0.841	0.171	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC
Zinc, Total	12.4		mg/kg	4.21	0.246	2	08/19/22 08:20	08/25/22 15:48	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified
Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3950		mg/kg	8.22	2.22	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.11	0.312	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Arsenic, Total	1.33		mg/kg	0.822	0.171	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Barium, Total	21.4		mg/kg	0.822	0.143	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Beryllium, Total	0.206	J	mg/kg	0.411	0.027	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Cadmium, Total	0.271	J	mg/kg	0.822	0.081	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Calcium, Total	11500		mg/kg	8.22	2.88	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Chromium, Total	7.69		mg/kg	0.822	0.079	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Cobalt, Total	3.12		mg/kg	1.64	0.136	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Copper, Total	6.27		mg/kg	0.822	0.212	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Iron, Total	7040		mg/kg	4.11	0.742	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Lead, Total	2.60	J	mg/kg	4.11	0.220	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Magnesium, Total	1450		mg/kg	8.22	1.27	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Manganese, Total	214		mg/kg	0.822	0.131	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	08/19/22 09:45	08/24/22 14:01	EPA 7471B	1,7471B	DMB
Nickel, Total	5.81		mg/kg	2.06	0.199	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Potassium, Total	553		mg/kg	206	11.8	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.64	0.212	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.822	0.233	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Sodium, Total	117	J	mg/kg	164	2.59	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.64	0.259	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Vanadium, Total	8.74		mg/kg	0.822	0.167	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC
Zinc, Total	12.4		mg/kg	4.11	0.241	2	08/19/22 08:20	08/25/22 15:52	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified
Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6000		mg/kg	8.23	2.22	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.12	0.313	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Arsenic, Total	7.34		mg/kg	0.823	0.171	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Barium, Total	87.8		mg/kg	0.823	0.143	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Beryllium, Total	0.305	J	mg/kg	0.412	0.027	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Cadmium, Total	0.856		mg/kg	0.823	0.081	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Calcium, Total	10500		mg/kg	8.23	2.88	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Chromium, Total	14.4		mg/kg	0.823	0.079	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Cobalt, Total	6.74		mg/kg	1.65	0.137	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Copper, Total	28.6		mg/kg	0.823	0.212	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Iron, Total	12500		mg/kg	4.12	0.744	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Lead, Total	167		mg/kg	4.12	0.221	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Magnesium, Total	3720		mg/kg	8.23	1.27	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Manganese, Total	262		mg/kg	0.823	0.131	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Mercury, Total	0.377		mg/kg	0.066	0.043	1	08/19/22 09:45	08/24/22 14:04	EPA 7471B	1,7471B	DMB
Nickel, Total	13.0		mg/kg	2.06	0.199	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Potassium, Total	1280		mg/kg	206	11.8	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.65	0.212	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.823	0.233	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Sodium, Total	144	J	mg/kg	165	2.59	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.65	0.259	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Vanadium, Total	24.5		mg/kg	0.823	0.167	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC
Zinc, Total	189		mg/kg	4.12	0.241	2	08/19/22 08:20	08/25/22 15:57	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-22
Client ID: SB-27 (3-7')
Sample Location: Not Specified
Date Collected: 08/18/22 14:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5800		mg/kg	8.15	2.20	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.07	0.310	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Arsenic, Total	7.14		mg/kg	0.815	0.170	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Barium, Total	51.4		mg/kg	0.815	0.142	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Beryllium, Total	0.326	J	mg/kg	0.407	0.027	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Cadmium, Total	0.554	J	mg/kg	0.815	0.080	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Calcium, Total	7720		mg/kg	8.15	2.85	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Chromium, Total	12.6		mg/kg	0.815	0.078	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Cobalt, Total	5.88		mg/kg	1.63	0.135	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Copper, Total	19.8		mg/kg	0.815	0.210	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Iron, Total	12200		mg/kg	4.07	0.736	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Lead, Total	97.4		mg/kg	4.07	0.218	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Magnesium, Total	2920		mg/kg	8.15	1.26	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Manganese, Total	254		mg/kg	0.815	0.130	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Mercury, Total	0.272		mg/kg	0.067	0.043	1	08/19/22 09:45	08/24/22 14:08	EPA 7471B	1,7471B	DMB
Nickel, Total	11.8		mg/kg	2.04	0.197	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Potassium, Total	937		mg/kg	204	11.7	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.63	0.210	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.815	0.231	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Sodium, Total	226		mg/kg	163	2.57	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Vanadium, Total	18.7		mg/kg	0.815	0.165	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC
Zinc, Total	42.2		mg/kg	4.07	0.239	2	08/19/22 08:20	08/25/22 16:01	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified
Date Collected: 08/18/22 14:50
Date Received: 08/18/22
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	4210		mg/kg	8.66	2.34	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.33	0.329	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Arsenic, Total	1.35		mg/kg	0.866	0.180	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Barium, Total	16.7		mg/kg	0.866	0.151	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Beryllium, Total	0.251	J	mg/kg	0.433	0.029	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Cadmium, Total	0.303	J	mg/kg	0.866	0.085	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Calcium, Total	536		mg/kg	8.66	3.03	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Chromium, Total	6.28		mg/kg	0.866	0.083	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Cobalt, Total	3.15		mg/kg	1.73	0.144	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Copper, Total	5.35		mg/kg	0.866	0.224	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Iron, Total	8090		mg/kg	4.33	0.782	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Lead, Total	3.26	J	mg/kg	4.33	0.232	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Magnesium, Total	1460		mg/kg	8.66	1.33	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Manganese, Total	304		mg/kg	0.866	0.138	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.073	0.048	1	08/19/22 09:45	08/24/22 14:11	EPA 7471B	1,7471B	DMB
Nickel, Total	6.38		mg/kg	2.17	0.210	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Potassium, Total	503		mg/kg	217	12.5	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.73	0.224	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.866	0.245	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Sodium, Total	47.0	J	mg/kg	173	2.73	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Vanadium, Total	10.2		mg/kg	0.866	0.176	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC
Zinc, Total	12.0		mg/kg	4.33	0.254	2	08/19/22 08:20	08/25/22 16:06	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified
Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4160		mg/kg	8.85	2.39	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.43	0.336	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Arsenic, Total	1.27		mg/kg	0.885	0.184	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Barium, Total	20.1		mg/kg	0.885	0.154	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Beryllium, Total	0.239	J	mg/kg	0.443	0.029	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Cadmium, Total	0.310	J	mg/kg	0.885	0.087	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Calcium, Total	629		mg/kg	8.85	3.10	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Chromium, Total	7.03		mg/kg	0.885	0.085	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Cobalt, Total	3.33		mg/kg	1.77	0.147	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Copper, Total	6.06		mg/kg	0.885	0.228	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Iron, Total	8370		mg/kg	4.43	0.799	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Lead, Total	4.27	J	mg/kg	4.43	0.237	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Magnesium, Total	1600		mg/kg	8.85	1.36	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Manganese, Total	251		mg/kg	0.885	0.141	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.072	0.047	1	08/19/22 09:45	08/24/22 14:14	EPA 7471B	1,7471B	DMB
Nickel, Total	6.69		mg/kg	2.21	0.214	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Potassium, Total	615		mg/kg	221	12.7	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.885	0.250	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Sodium, Total	60.8	J	mg/kg	177	2.79	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.77	0.279	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Vanadium, Total	10.4		mg/kg	0.885	0.180	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC
Zinc, Total	15.6		mg/kg	4.43	0.259	2	08/19/22 08:20	08/25/22 16:10	EPA 3050B	1,6010D	MC

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified
Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified
Sample Depth:
TCLP/SPLP Ext. Date: 08/23/22 08:25
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Barium, TCLP	0.403	J	mg/l	0.500	0.021	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Lead, TCLP	0.482	J	mg/l	0.500	0.027	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 20:58	08/25/22 07:43	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 22:43	08/25/22 15:05	EPA 3015	1,6010D	ZK

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified
Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.562		mg/kg	0.067	0.044	1	08/19/22 09:45	08/24/22 14:18	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30 Date Collected: 08/18/22 11:25

Client ID: WC-08 Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/23/22 08:25

Matrix: Soil

Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Barium, TCLP	0.267	J	mg/l	0.500	0.021	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 20:58	08/25/22 07:46	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 22:43	08/25/22 15:09	EPA 3015	1,6010D	ZK

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30
Client ID: WC-08
Sample Location: Not Specified
Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.081		mg/kg	0.066	0.043	1	08/19/22 09:45	08/24/22 14:21	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified
Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified
Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 08/23/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.025	J	mg/l	1.00	0.019	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Barium, TCLP	0.272	J	mg/l	0.500	0.021	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Lead, TCLP	0.200	J	mg/l	0.500	0.027	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 20:58	08/25/22 07:56	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 22:43	08/25/22 15:14	EPA 3015	1,6010D	ZK

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified
Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.134		mg/kg	0.067	0.043	1	08/19/22 09:45	08/24/22 14:24	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34 Date Collected: 08/18/22 14:00

Client ID: WC-04 Date Received: 08/18/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/23/22 08:25

Matrix: Soil

Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Barium, TCLP	0.265	J	mg/l	0.500	0.021	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 20:58	08/25/22 08:00	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 22:43	08/25/22 16:00	EPA 3015	1,6010D	ZK

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34
Client ID: WC-04
Sample Location: Not Specified
Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.055	J	mg/kg	0.076	0.049	1	08/19/22 09:45	08/24/22 14:28	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified
Date Collected: 08/19/22 09:30
Date Received: 08/19/22
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	9460		mg/kg	8.86	2.39	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.43	0.337	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Arsenic, Total	2.66		mg/kg	0.886	0.184	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Barium, Total	57.9		mg/kg	0.886	0.154	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Beryllium, Total	0.328	J	mg/kg	0.443	0.029	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Cadmium, Total	0.478	J	mg/kg	0.886	0.087	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Calcium, Total	2540		mg/kg	8.86	3.10	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Chromium, Total	17.8		mg/kg	0.886	0.085	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Cobalt, Total	6.58		mg/kg	1.77	0.147	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Copper, Total	32.3		mg/kg	0.886	0.229	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Iron, Total	15400		mg/kg	4.43	0.800	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Lead, Total	39.6		mg/kg	4.43	0.238	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Magnesium, Total	3400		mg/kg	8.86	1.36	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Manganese, Total	228		mg/kg	0.886	0.141	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Mercury, Total	0.165		mg/kg	0.073	0.048	1	08/22/22 11:35	08/25/22 10:29	EPA 7471B	1,7471B	DMB
Nickel, Total	11.8		mg/kg	2.22	0.214	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Potassium, Total	1060		mg/kg	222	12.8	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.77	0.229	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.886	0.251	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Sodium, Total	733		mg/kg	177	2.79	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.77	0.279	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Vanadium, Total	24.5		mg/kg	0.886	0.180	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW
Zinc, Total	62.2		mg/kg	4.43	0.260	2	08/22/22 10:35	08/26/22 10:01	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39
Client ID: SB-8 (4-7')
Sample Location: Not Specified
Date Collected: 08/19/22 09:35
Date Received: 08/19/22
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	4910		mg/kg	8.43	2.28	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.22	0.320	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Arsenic, Total	0.860		mg/kg	0.843	0.175	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Barium, Total	36.7		mg/kg	0.843	0.147	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Beryllium, Total	0.202	J	mg/kg	0.422	0.028	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Cadmium, Total	0.143	J	mg/kg	0.843	0.083	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Calcium, Total	1840		mg/kg	8.43	2.95	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Chromium, Total	9.24		mg/kg	0.843	0.081	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Cobalt, Total	2.98		mg/kg	1.69	0.140	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Copper, Total	4.82		mg/kg	0.843	0.218	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Iron, Total	7190		mg/kg	4.22	0.761	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Lead, Total	4.29		mg/kg	4.22	0.226	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Magnesium, Total	1790		mg/kg	8.43	1.30	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Manganese, Total	340		mg/kg	0.843	0.134	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.069	0.045	1	08/22/22 11:35	08/25/22 10:32	EPA 7471B	1,7471B	DMB
Nickel, Total	5.30		mg/kg	2.11	0.204	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Potassium, Total	330		mg/kg	211	12.1	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.843	0.239	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Sodium, Total	96.4	J	mg/kg	169	2.66	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Vanadium, Total	9.35		mg/kg	0.843	0.171	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW
Zinc, Total	16.1		mg/kg	4.22	0.247	2	08/22/22 10:35	08/26/22 10:06	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified
Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

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	8.15	2.20	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Antimony, Total	0.326	J	mg/kg	4.07	0.310	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Arsenic, Total	1.16		mg/kg	0.815	0.169	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Barium, Total	25.4		mg/kg	0.815	0.142	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Beryllium, Total	0.269	J	mg/kg	0.407	0.027	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Cadmium, Total	0.196	J	mg/kg	0.815	0.080	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Calcium, Total	722		mg/kg	8.15	2.85	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Chromium, Total	9.23		mg/kg	0.815	0.078	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Cobalt, Total	3.80		mg/kg	1.63	0.135	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Copper, Total	6.15		mg/kg	0.815	0.210	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Iron, Total	11300		mg/kg	4.07	0.736	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Lead, Total	3.74	J	mg/kg	4.07	0.218	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Magnesium, Total	1640		mg/kg	8.15	1.25	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Manganese, Total	351		mg/kg	0.815	0.130	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.066	0.043	1	08/22/22 11:35	08/25/22 09:53	EPA 7471B	1,7471B	DMB
Nickel, Total	7.46		mg/kg	2.04	0.197	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Potassium, Total	532		mg/kg	204	11.7	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.63	0.210	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.815	0.230	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Sodium, Total	67.8	J	mg/kg	163	2.57	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.63	0.257	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Vanadium, Total	13.4		mg/kg	0.815	0.165	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW
Zinc, Total	13.5		mg/kg	4.07	0.239	2	08/22/22 10:35	08/26/22 09:01	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified
Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6160		mg/kg	8.28	2.24	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Antimony, Total	0.339	J	mg/kg	4.14	0.315	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Arsenic, Total	5.26		mg/kg	0.828	0.172	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Barium, Total	64.8		mg/kg	0.828	0.144	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Beryllium, Total	0.273	J	mg/kg	0.414	0.027	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Cadmium, Total	0.513	J	mg/kg	0.828	0.081	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Calcium, Total	12300		mg/kg	8.28	2.90	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Chromium, Total	14.7		mg/kg	0.828	0.080	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Cobalt, Total	4.98		mg/kg	1.66	0.137	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Copper, Total	47.3		mg/kg	0.828	0.214	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Iron, Total	11200		mg/kg	4.14	0.748	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Lead, Total	110		mg/kg	4.14	0.222	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Magnesium, Total	2300		mg/kg	8.28	1.28	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Manganese, Total	264		mg/kg	0.828	0.132	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Mercury, Total	0.258		mg/kg	0.068	0.045	1	08/22/22 11:35	08/25/22 10:42	EPA 7471B	1,7471B	DMB
Nickel, Total	9.95		mg/kg	2.07	0.200	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Potassium, Total	794		mg/kg	207	11.9	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.828	0.234	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Sodium, Total	329		mg/kg	166	2.61	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Vanadium, Total	20.1		mg/kg	0.828	0.168	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW
Zinc, Total	121		mg/kg	4.14	0.242	2	08/22/22 10:35	08/26/22 10:11	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-45
Client ID: SB-05 (4-7')
Sample Location: Not Specified
Date Collected: 08/19/22 12:15
Date Received: 08/19/22
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	6270		mg/kg	8.29	2.24	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.15	0.315	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Arsenic, Total	1.45		mg/kg	0.829	0.172	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Barium, Total	49.9		mg/kg	0.829	0.144	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Beryllium, Total	0.348	J	mg/kg	0.415	0.027	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Cadmium, Total	0.199	J	mg/kg	0.829	0.081	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Calcium, Total	3850		mg/kg	8.29	2.90	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Chromium, Total	10.7		mg/kg	0.829	0.080	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Cobalt, Total	3.23		mg/kg	1.66	0.138	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Copper, Total	8.67		mg/kg	0.829	0.214	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Iron, Total	8650		mg/kg	4.15	0.749	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Lead, Total	20.8		mg/kg	4.15	0.222	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Magnesium, Total	1480		mg/kg	8.29	1.28	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Manganese, Total	497		mg/kg	0.829	0.132	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Mercury, Total	0.440		mg/kg	0.068	0.044	1	08/22/22 11:35	08/25/22 10:45	EPA 7471B	1,7471B	DMB
Nickel, Total	6.62		mg/kg	2.07	0.201	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Potassium, Total	472		mg/kg	207	11.9	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.829	0.235	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Sodium, Total	57.9	J	mg/kg	166	2.61	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Vanadium, Total	10.8		mg/kg	0.829	0.168	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW
Zinc, Total	29.5		mg/kg	4.15	0.243	2	08/22/22 10:35	08/26/22 10:15	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified
Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4490		mg/kg	8.19	2.21	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Antimony, Total	0.410	J	mg/kg	4.10	0.311	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Arsenic, Total	0.729	J	mg/kg	0.819	0.170	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Barium, Total	24.1		mg/kg	0.819	0.142	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Beryllium, Total	0.180	J	mg/kg	0.410	0.027	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Cadmium, Total	0.131	J	mg/kg	0.819	0.080	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Calcium, Total	446		mg/kg	8.19	2.87	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Chromium, Total	7.66		mg/kg	0.819	0.079	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Cobalt, Total	2.66		mg/kg	1.64	0.136	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Copper, Total	3.53		mg/kg	0.819	0.211	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Iron, Total	6970		mg/kg	4.10	0.740	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Lead, Total	2.79	J	mg/kg	4.10	0.220	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Magnesium, Total	1090		mg/kg	8.19	1.26	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Manganese, Total	175		mg/kg	0.819	0.130	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Mercury, Total	0.083		mg/kg	0.066	0.043	1	08/22/22 11:35	08/25/22 10:49	EPA 7471B	1,7471B	DMB
Nickel, Total	4.64		mg/kg	2.05	0.198	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Potassium, Total	235		mg/kg	205	11.8	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.64	0.211	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.819	0.232	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Sodium, Total	34.0	J	mg/kg	164	2.58	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.64	0.258	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Vanadium, Total	8.38		mg/kg	0.819	0.166	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW
Zinc, Total	11.3		mg/kg	4.10	0.240	2	08/22/22 10:35	08/26/22 10:29	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified
Date Collected: 08/19/22 14:15
Date Received: 08/19/22
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	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Barium, Total	0.00019	J	mg/l	0.00050	0.00017	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Calcium, Total	0.0962	J	mg/l	0.100	0.0394	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/22/22 14:28	08/23/22 14:39	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/22/22 13:54	08/23/22 10:28	EPA 3005A	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-51 Date Collected: 08/19/22 10:00

Client ID: WC-12 Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/23/22 08:25

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Barium, TCLP	0.368	J	mg/l	0.500	0.021	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 14:55	08/25/22 08:41	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 13:34	08/25/22 10:48	EPA 3015	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-51
Client ID: WC-12
Sample Location: Not Specified
Date Collected: 08/19/22 10:00
Date Received: 08/19/22
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											
Mercury, Total	0.218		mg/kg	0.070	0.046	1	08/22/22 11:35	08/25/22 10:52	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-53 Date Collected: 08/19/22 12:30

Client ID: WC-6 Date Received: 08/19/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 08/23/22 08:25

Matrix: Soil

Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Barium, TCLP	0.581		mg/l	0.500	0.021	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Cadmium, TCLP	0.016	J	mg/l	0.100	0.010	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Lead, TCLP	0.050	J	mg/l	0.500	0.027	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 14:55	08/25/22 08:51	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 13:34	08/25/22 10:52	EPA 3015	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-53
Client ID: WC-6
Sample Location: Not Specified
Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.552		mg/kg	0.069	0.045	1	08/22/22 11:35	08/25/22 10:55	EPA 7471B	1,7471B	DMB

Project Name: 101 E 151ST STREET RI
Lab Number: L2244887
Project Number: 41.0162951.10
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified
Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5680		mg/kg	8.46	2.28	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Antimony, Total	0.888	J	mg/kg	4.23	0.322	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Arsenic, Total	5.85		mg/kg	0.846	0.176	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Barium, Total	69.3		mg/kg	0.846	0.147	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Beryllium, Total	0.212	J	mg/kg	0.423	0.028	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Cadmium, Total	0.948		mg/kg	0.846	0.083	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Calcium, Total	4540		mg/kg	8.46	2.96	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Chromium, Total	18.5		mg/kg	0.846	0.081	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Cobalt, Total	5.24		mg/kg	1.69	0.140	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Copper, Total	36.3		mg/kg	0.846	0.218	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Iron, Total	14100		mg/kg	4.23	0.764	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Lead, Total	103		mg/kg	4.23	0.227	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Magnesium, Total	2190		mg/kg	8.46	1.30	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Manganese, Total	242		mg/kg	0.846	0.134	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Mercury, Total	0.213		mg/kg	0.069	0.045	1	08/23/22 10:50	08/23/22 16:08	EPA 7471B	1,7471B	DMB
Nickel, Total	13.0		mg/kg	2.12	0.205	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Potassium, Total	706		mg/kg	212	12.2	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.846	0.239	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Sodium, Total	189		mg/kg	169	2.66	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Vanadium, Total	23.6		mg/kg	0.846	0.172	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW
Zinc, Total	216		mg/kg	4.23	0.248	2	08/23/22 08:35	08/23/22 15:37	EPA 3050B	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25,28,30,32,34 Batch: WG1677174-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/19/22 09:45	08/24/22 13:05	1,7471B	DMB

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): 02,04,06,08,10,12,14,16,18,20,22,24-25 Batch: WG1677178-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Sodium, Total	2.32	J	mg/kg	80.0	1.26	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/19/22 08:20	08/25/22 13:52	1,6010D	MC

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

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): 37,39,41,43,45,47,51,53 Batch: WG1677798-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/22/22 11:35	08/25/22 09:46	1,7471B	DMB

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): 48 Batch: WG1677817-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Calcium, Total	0.0917	J	mg/l	0.100	0.0394	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Vanadium, Total	ND	mg/l	0.00500	0.00157	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV
Zinc, Total	ND	mg/l	0.01000	0.00341	1	08/22/22 13:54	08/23/22 10:23	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 48 Batch: WG1677818-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/22/22 14:28	08/23/22 14:04	1,7470A	DMB

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): 37,39,41,43,45,47 Batch: WG1678102-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Barium, Total	ND		mg/kg	0.400	0.070	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Silver, Total	ND		mg/kg	0.400	0.113	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/22/22 10:35	08/26/22 08:37	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 55 Batch: WG1678500-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Barium, Total	0.084	J	mg/kg	0.400	0.070	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Sodium, Total	4.02	J	mg/kg	80.0	1.26	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

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): 55 Batch: WG1678508-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/23/22 10:50	08/23/22 15:41	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 28,30,32,34 Batch: WG1679034-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 22:43	08/25/22 14:56	1,6010D	ZK

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/23/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 28,30,32,34 Batch: WG1679036-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 20:58	08/25/22 07:20	1,7470A	DMB

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/23/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 51,53 Batch: WG1679045-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/24/22 13:34	08/25/22 08:15	1,6010D	EW

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/23/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 51,53 Batch: WG1679096-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/24/22 14:55	08/25/22 07:57	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/23/22 08:25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25,28,30,32,34 Batch: WG1677174-2 SRM Lot Number: D113-540								
Mercury, Total	82		-		60-140	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 Batch: WG1677178-2 SRM Lot Number: D113-540					
Aluminum, Total	77	-	51-149	-	
Antimony, Total	138	-	20-250	-	
Arsenic, Total	93	-	70-130	-	
Barium, Total	92	-	75-125	-	
Beryllium, Total	99	-	75-125	-	
Cadmium, Total	91	-	75-125	-	
Calcium, Total	91	-	73-128	-	
Chromium, Total	93	-	70-130	-	
Cobalt, Total	92	-	75-125	-	
Copper, Total	92	-	75-125	-	
Iron, Total	91	-	36-164	-	
Lead, Total	87	-	72-128	-	
Magnesium, Total	88	-	63-138	-	
Manganese, Total	88	-	77-123	-	
Nickel, Total	90	-	70-130	-	
Potassium, Total	88	-	59-141	-	
Selenium, Total	90	-	66-134	-	
Silver, Total	92	-	70-131	-	
Sodium, Total	96	-	35-164	-	
Thallium, Total	90	-	70-130	-	
Vanadium, Total	93	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 Batch: WG1677178-2 SRM Lot Number: D113-540					
Zinc, Total	87	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47,51,53 Batch: WG1677798-2 SRM Lot Number: D113-540					
Mercury, Total	84	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 Batch: WG1677817-2					
Aluminum, Total	94	-	80-120	-	
Antimony, Total	88	-	80-120	-	
Arsenic, Total	91	-	80-120	-	
Barium, Total	94	-	80-120	-	
Beryllium, Total	92	-	80-120	-	
Cadmium, Total	93	-	80-120	-	
Calcium, Total	89	-	80-120	-	
Chromium, Total	90	-	80-120	-	
Cobalt, Total	87	-	80-120	-	
Copper, Total	87	-	80-120	-	
Iron, Total	91	-	80-120	-	
Lead, Total	94	-	80-120	-	
Magnesium, Total	99	-	80-120	-	
Manganese, Total	92	-	80-120	-	
Nickel, Total	89	-	80-120	-	
Potassium, Total	95	-	80-120	-	
Selenium, Total	100	-	80-120	-	
Silver, Total	97	-	80-120	-	
Sodium, Total	97	-	80-120	-	
Thallium, Total	94	-	80-120	-	
Vanadium, Total	90	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 Batch: WG1677817-2					
Zinc, Total	89	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 48 Batch: WG1677818-2					
Mercury, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1678102-2 SRM Lot Number: D113-540					
Aluminum, Total	75	-	51-149	-	
Antimony, Total	143	-	20-250	-	
Arsenic, Total	88	-	70-130	-	
Barium, Total	98	-	75-125	-	
Beryllium, Total	102	-	75-125	-	
Cadmium, Total	86	-	75-125	-	
Calcium, Total	90	-	73-128	-	
Chromium, Total	93	-	70-130	-	
Cobalt, Total	88	-	75-125	-	
Copper, Total	91	-	75-125	-	
Iron, Total	91	-	36-164	-	
Lead, Total	84	-	72-128	-	
Magnesium, Total	86	-	63-138	-	
Manganese, Total	103	-	77-123	-	
Nickel, Total	87	-	70-130	-	
Potassium, Total	87	-	59-141	-	
Selenium, Total	88	-	66-134	-	
Silver, Total	90	-	70-131	-	
Sodium, Total	95	-	35-164	-	
Thallium, Total	87	-	70-130	-	
Vanadium, Total	91	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1678102-2 SRM Lot Number: D113-540					
Zinc, Total	83	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678500-2 SRM Lot Number: D113-540					
Aluminum, Total	64	-	51-149	-	
Antimony, Total	157	-	20-250	-	
Arsenic, Total	89	-	70-130	-	
Barium, Total	82	-	75-125	-	
Beryllium, Total	87	-	75-125	-	
Cadmium, Total	82	-	75-125	-	
Calcium, Total	83	-	73-128	-	
Chromium, Total	85	-	70-130	-	
Cobalt, Total	89	-	75-125	-	
Copper, Total	84	-	75-125	-	
Iron, Total	79	-	36-164	-	
Lead, Total	87	-	72-128	-	
Magnesium, Total	80	-	63-138	-	
Manganese, Total	79	-	77-123	-	
Nickel, Total	87	-	70-130	-	
Potassium, Total	78	-	59-141	-	
Selenium, Total	83	-	66-134	-	
Silver, Total	83	-	70-131	-	
Sodium, Total	83	-	35-164	-	
Thallium, Total	80	-	70-130	-	
Vanadium, Total	83	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678500-2 SRM Lot Number: D113-540					
Zinc, Total	84	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 55 Batch: WG1678508-2 SRM Lot Number: D113-540					
Mercury, Total	98	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 Batch: WG1679034-2					
Arsenic, TCLP	93	-	75-125	-	20
Barium, TCLP	89	-	75-125	-	20
Cadmium, TCLP	87	-	75-125	-	20
Chromium, TCLP	86	-	75-125	-	20
Lead, TCLP	82	-	75-125	-	20
Selenium, TCLP	87	-	75-125	-	20
Silver, TCLP	78	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 Batch: WG1679036-2					
Mercury, TCLP	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 Batch: WG1679045-2					
Arsenic, TCLP	101	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	94	-	75-125	-	20
Chromium, TCLP	96	-	75-125	-	20
Lead, TCLP	89	-	75-125	-	20
Selenium, TCLP	95	-	75-125	-	20
Silver, TCLP	81	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 Batch: WG1679096-2					
Mercury, TCLP	96	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25,28,30,32,34 QC Batch ID: WG1677174-3 QC Sample: L2244887-02 Client ID: SB-21 (0-2')												
Mercury, Total	0.581	1.39	1.96	99		-	-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 QC Batch ID: WG1677178-3 QC Sample: L2244887-02 Client ID: SB-21 (0-2')										
Aluminum, Total	7270	170	8640	**806**	Q	-	-	75-125	-	20
Antimony, Total	ND	42.5	26.6	**62**	Q	-	-	75-125	-	20
Arsenic, Total	4.71	10.2	13.3	84		-	-	75-125	-	20
Barium, Total	89.0	170	246	92		-	-	75-125	-	20
Beryllium, Total	0.300J	4.25	3.64	86		-	-	75-125	-	20
Cadmium, Total	0.702J	4.5	4.13	92		-	-	75-125	-	20
Calcium, Total	1900	850	2990	**128**	Q	-	-	75-125	-	20
Chromium, Total	16.4	17	31.6	89		-	-	75-125	-	20
Cobalt, Total	6.78	42.5	37.8	**73**	Q	-	-	75-125	-	20
Copper, Total	52.4	21.2	84.6	**152**	Q	-	-	75-125	-	20
Iron, Total	15500	85	18100	**3060**	Q	-	-	75-125	-	20
Lead, Total	129	45	196	**149**	Q	-	-	75-125	-	20
Magnesium, Total	2580	850	3560	115		-	-	75-125	-	20
Manganese, Total	197	42.5	300	**242**	Q	-	-	75-125	-	20
Nickel, Total	11.0	42.5	42.2	**73**	Q	-	-	75-125	-	20
Potassium, Total	2220	850	3680	**172**	Q	-	-	75-125	-	20
Selenium, Total	ND	10.2	7.47	**73**	Q	-	-	75-125	-	20
Silver, Total	ND	25.5	20.6	81		-	-	75-125	-	20
Sodium, Total	129J	850	954	112		-	-	75-125	-	20
Thallium, Total	ND	10.2	5.80	**57**	Q	-	-	75-125	-	20
Vanadium, Total	24.0	42.5	59.5	84		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 QC Batch ID: WG1677178-3 QC Sample: L2244887-02 Client ID: SB-21 (0-2')									
Zinc, Total	93.5	42.5	133	93	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47,51,53 QC Batch ID: WG1677798-3 WG1677798-4 QC Sample: L2244887-41 Client ID: SB-8 (8-10')									
Mercury, Total	ND	1.35	1.32	98	1.31	98	80-120	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677817-3 QC Sample: L2245116-01 Client ID: MS Sample										
Aluminum, Total	9.91	2	14.1	**210**	Q	-	-	75-125	-	20
Antimony, Total	0.00100J	0.5	0.4036	81		-	-	75-125	-	20
Arsenic, Total	0.00228	0.12	0.1042	85		-	-	75-125	-	20
Barium, Total	0.1938	2	2.164	98		-	-	75-125	-	20
Beryllium, Total	0.00069	0.05	0.05060	100		-	-	75-125	-	20
Cadmium, Total	0.00029	0.053	0.05247	98		-	-	75-125	-	20
Calcium, Total	212.	10	219	**70**	Q	-	-	75-125	-	20
Chromium, Total	0.03284	0.2	0.2243	96		-	-	75-125	-	20
Cobalt, Total	0.01433	0.5	0.4698	91		-	-	75-125	-	20
Copper, Total	0.06129	0.25	0.2948	93		-	-	75-125	-	20
Iron, Total	18.9	1	19.9	100		-	-	75-125	-	20
Lead, Total	0.03690	0.53	0.5464	96		-	-	75-125	-	20
Magnesium, Total	34.7	10	46.2	115		-	-	75-125	-	20
Manganese, Total	1.159	0.5	1.670	102		-	-	75-125	-	20
Nickel, Total	0.05437	0.5	0.5177	93		-	-	75-125	-	20
Potassium, Total	17.8	10	28.2	104		-	-	75-125	-	20
Selenium, Total	0.0104	0.12	0.113	86		-	-	75-125	-	20
Silver, Total	0.00349	0.05	0.05404	101		-	-	75-125	-	20
Sodium, Total	52.8	10	66.0	**132**	Q	-	-	75-125	-	20
Thallium, Total	0.00050J	0.12	0.1153	96		-	-	75-125	-	20
Vanadium, Total	0.03014	0.5	0.5074	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677817-3 QC Sample: L2245116-01 Client ID: MS Sample									
Zinc, Total	0.08383	0.5	0.5590	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677818-3 QC Sample: L2245073-01 Client ID: MS Sample									
Mercury, Total	ND	0.005	0.00499	100	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47 QC Batch ID: WG1678102-3 WG1678102-4 QC Sample: L2244887-41 Client ID: SB-8 (8-10')											
Aluminum, Total	6130	162	6110	**0**	Q	6060	**0**	Q	75-125	1	20
Antimony, Total	0.326J	40.6	25.4	**62**	Q	25.3	**62**	Q	75-125	0	20
Arsenic, Total	1.16	9.75	9.66	87		9.72	88		75-125	1	20
Barium, Total	25.4	162	169	88		169	88		75-125	0	20
Beryllium, Total	0.269J	4.06	3.83	94		3.92	97		75-125	2	20
Cadmium, Total	0.196J	4.3	3.79	88		3.66	85		75-125	3	20
Calcium, Total	722	812	1350	77		1450	90		75-125	7	20
Chromium, Total	9.23	16.2	22.4	81		23.0	85		75-125	3	20
Cobalt, Total	3.80	40.6	35.3	78		34.6	76		75-125	2	20
Copper, Total	6.15	20.3	23.2	84		24.0	88		75-125	3	20
Iron, Total	11300	81.2	9830	**0**	Q	10700	**0**	Q	75-125	8	20
Lead, Total	3.74J	43	38.3	89		36.9	86		75-125	4	20
Magnesium, Total	1640	812	2250	75		2350	88		75-125	4	20
Manganese, Total	351	40.6	319	**0**	Q	341	**0**	Q	75-125	7	20
Nickel, Total	7.46	40.6	40.2	81		39.5	79		75-125	2	20
Potassium, Total	532	812	1220	85		1270	91		75-125	4	20
Selenium, Total	ND	9.75	7.42	76		6.88	**71**	Q	75-125	8	20
Silver, Total	ND	24.4	21.4	88		21.5	88		75-125	0	20
Sodium, Total	67.8J	812	828	102		839	103		75-125	1	20
Thallium, Total	ND	9.75	7.76	80		7.48	77		75-125	4	20
Vanadium, Total	13.4	40.6	47.5	84		50.1	90		75-125	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47 QC Batch ID: WG1678102-3 WG1678102-4 QC Sample: L2244887-41 Client ID: SB-8 (8-10')									
Zinc, Total	13.5	40.6	47.1	83	45.8	80	75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678500-3 WG1678500-4 QC Sample: L2245374-10 Client ID: MS Sample											
Aluminum, Total	4530	169	5560	**610**	Q	5800	**756**	Q	75-125	4	20
Antimony, Total	ND	42.2	32.8	78		34.3	82		75-125	4	20
Arsenic, Total	0.919	10.1	9.64	86		10.2	92		75-125	6	20
Barium, Total	23.5	169	170	87		173	89		75-125	2	20
Beryllium, Total	0.194J	4.22	3.88	92		3.98	95		75-125	3	20
Cadmium, Total	0.118J	4.47	3.70	83		3.85	86		75-125	4	20
Calcium, Total	436	844	1180	88		1210	92		75-125	3	20
Chromium, Total	7.00	16.9	21.7	87		22.5	92		75-125	4	20
Cobalt, Total	2.86	42.2	36.3	79		37.5	82		75-125	3	20
Copper, Total	3.78	21.1	21.5	84		22.5	89		75-125	5	20
Iron, Total	6660	84.4	7040	**450**	Q	7400	**881**	Q	75-125	5	20
Lead, Total	3.52J	44.7	39.0	87		40.5	91		75-125	4	20
Magnesium, Total	1190	844	2000	96		2090	107		75-125	4	20
Manganese, Total	205	42.2	258	**126**	Q	255	119		75-125	1	20
Nickel, Total	5.15	42.2	39.3	81		40.8	85		75-125	4	20
Potassium, Total	301	844	1080	92		1120	97		75-125	4	20
Selenium, Total	ND	10.1	7.77	77		8.00	79		75-125	3	20
Silver, Total	ND	25.3	21.8	86		22.6	90		75-125	4	20
Sodium, Total	51.4J	844	803	95		820	98		75-125	2	20
Thallium, Total	ND	10.1	7.63	75		7.86	78		75-125	3	20
Vanadium, Total	8.01	42.2	43.0	83		44.3	86		75-125	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678500-3 WG1678500-4 QC Sample: L2245374-10 Client ID: MS Sample									
Zinc, Total	12.4	42.2	48.2	85	50.1	90	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678508-3 WG1678508-4 QC Sample: L2245374-10 Client ID: MS Sample									
Mercury, Total	ND	1.38	1.48	108	1.43	103	80-120	3	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1679034-3 QC Sample: L2244583-16 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.14	95	-	-	75-125	-	20
Barium, TCLP	0.543	20	18.6	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.465	88	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.71	86	-	-	75-125	-	20
Lead, TCLP	0.115J	5.3	4.56	86	-	-	75-125	-	20
Selenium, TCLP	0.038J	1.2	1.07	89	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.386	77	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1679036-3 QC Sample: L2244703-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0248	99	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 QC Batch ID: WG1679045-3 QC Sample: L2244583-03 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.21	101	-	-	75-125	-	20
Barium, TCLP	0.388J	20	20.0	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.492	93	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.88	94	-	-	75-125	-	20
Lead, TCLP	0.109J	5.3	4.72	89	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.13	94	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.408	82	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 QC Batch ID: WG1679096-3 QC Sample: L2244887-51 Client ID: WC-12									
Mercury, TCLP	ND	0.025	0.0227	91	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25,28,30,32,34 QC Batch ID: WG1677174-4 QC Sample: L2244887-02 Client ID: SB-21 (0-2')						
Mercury, Total	0.581	0.373	mg/kg	**44**	Q	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 QC Batch ID: WG1677178-4 QC Sample: L2244887-02 Client ID: SB-21 (0-2')						
Aluminum, Total	7270	7770	mg/kg	7		20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	4.71	4.56	mg/kg	3		20
Barium, Total	89.0	102	mg/kg	14		20
Beryllium, Total	0.300J	0.286J	mg/kg	NC		20
Cadmium, Total	0.702J	0.792J	mg/kg	NC		20
Calcium, Total	1900	2460	mg/kg	**26**	Q	20
Chromium, Total	16.4	18.4	mg/kg	11		20
Cobalt, Total	6.78	7.10	mg/kg	5		20
Copper, Total	52.4	60.0	mg/kg	14		20
Iron, Total	15500	16900	mg/kg	9		20
Lead, Total	129	144	mg/kg	11		20
Magnesium, Total	2580	2950	mg/kg	13		20
Manganese, Total	197	221	mg/kg	11		20
Nickel, Total	11.0	11.4	mg/kg	4		20
Potassium, Total	2220	2710	mg/kg	20		20
Selenium, Total	ND	0.219J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	129J	160J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 QC Batch ID: WG1677178-4 QC Sample: L2244887-02 Client ID: SB-21 (0-2')					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	24.0	26.5	mg/kg	10	20
Zinc, Total	93.5	108	mg/kg	14	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677817-4 QC Sample: L2245116-01 Client ID: DUP Sample					
Aluminum, Total	9.91	10.9	mg/l	10	20
Antimony, Total	0.00100J	0.00177J	mg/l	NC	20
Arsenic, Total	0.00228	0.00240	mg/l	5	20
Barium, Total	0.1938	0.2081	mg/l	7	20
Beryllium, Total	0.00069	0.00074	mg/l	7	20
Cadmium, Total	0.00029	0.00028	mg/l	6	20
Calcium, Total	212.	203	mg/l	4	20
Chromium, Total	0.03284	0.03620	mg/l	10	20
Cobalt, Total	0.01433	0.01515	mg/l	6	20
Copper, Total	0.06129	0.06280	mg/l	2	20
Iron, Total	18.9	20.6	mg/l	9	20
Lead, Total	0.03690	0.03824	mg/l	4	20
Magnesium, Total	34.7	34.8	mg/l	0	20
Manganese, Total	1.159	1.143	mg/l	1	20
Nickel, Total	0.05437	0.05764	mg/l	6	20
Potassium, Total	17.8	17.5	mg/l	2	20
Selenium, Total	0.0104	0.0104	mg/l	0	20
Silver, Total	0.00349	0.00408	mg/l	16	20
Sodium, Total	52.8	51.5	mg/l	2	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677817-4 QC Sample: L2245116-01 Client ID: DUP Sample					
Thallium, Total	0.00050J	0.00113	mg/l	NC	20
Vanadium, Total	0.03014	0.03294	mg/l	9	20
Zinc, Total	0.08383	0.08868	mg/l	6	20
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677818-4 QC Sample: L2245073-01 Client ID: DUP Sample					
Mercury, Total	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1679034-4 QC Sample: L2244583-16 Client ID: DUP Sample					
Lead, TCLP	0.115J	0.106J	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1679036-4 QC Sample: L2244703-01 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 QC Batch ID: WG1679045-4 QC Sample: L2244583-03 Client ID: DUP Sample					
Chromium, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 51,53 QC Batch ID: WG1679096-4 QC Sample: L2244887-51 Client ID: WC-12					
Mercury, TCLP	ND	ND	mg/l	NC	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20,22,24-25 QC Batch ID: WG1677178-6 QC Sample: L2244887-02 Client ID: SB-21 (0-2')						
Aluminum, Total	7270	9860	mg/kg	**36**	Q	20
Barium, Total	89.0	121	mg/kg	**36**	Q	20
Calcium, Total	1900	2660	mg/kg	**40**	Q	20
Copper, Total	52.4	69.2	mg/kg	**32**	Q	20
Iron, Total	15500	22200	mg/kg	**43**	Q	20
Lead, Total	129	178	mg/kg	**38**	Q	20
Magnesium, Total	2580	3610	mg/kg	**40**	Q	20
Manganese, Total	197	278	mg/kg	**41**	Q	20
Vanadium, Total	24.0	32.4	mg/kg	**35**	Q	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 48 QC Batch ID: WG1677817-6 QC Sample: L2245116-01 Client ID: DUP Sample					
Aluminum, Total	9.91	9.64	mg/l	3	20
Barium, Total	0.1938	0.1918	mg/l	1	20
Calcium, Total	212.	205.	mg/l	3	20
Chromium, Total	0.03284	0.03277	mg/l	0	20
Cobalt, Total	0.01433	0.01424	mg/l	1	20
Copper, Total	0.06129	0.06032	mg/l	2	20
Iron, Total	18.9	18.5	mg/l	2	20
Lead, Total	0.03690	0.03630	mg/l	2	20
Magnesium, Total	34.7	34.1	mg/l	2	20
Manganese, Total	1.159	1.155	mg/l	0	20
Nickel, Total	0.05437	0.05279	mg/l	3	20
Potassium, Total	17.8	17.3	mg/l	3	20
Sodium, Total	52.8	55.1	mg/l	4	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Serial Dilution	Units	% D		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 37,39,41,43,45,47 QC Batch ID: WG1678102-6 QC Sample: L2244887-41 Client ID: SB-8 (8-10')						
Aluminum, Total	6130	6550	mg/kg	7		20
Barium, Total	25.4	27.2	mg/kg	7		20
Calcium, Total	722	777	mg/kg	8		20
Iron, Total	11300	12200	mg/kg	8		20
Magnesium, Total	1640	1850	mg/kg	13		20
Manganese, Total	351	382	mg/kg	9		20
Total Metals - Mansfield Lab Associated sample(s): 55 QC Batch ID: WG1678500-6 QC Sample: L2245374-10 Client ID: DUP Sample						
Aluminum, Total	4530	5470	mg/kg	**21**	Q	20
Barium, Total	23.5	28.7	mg/kg	**22**	Q	20
Calcium, Total	436	525	mg/kg	20		20
Iron, Total	6660	8150	mg/kg	**22**	Q	20
Magnesium, Total	1190	1450	mg/kg	**22**	Q	20
Manganese, Total	205	250	mg/kg	**22**	Q	20

INORGANICS
&
MISCELLANEOUS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified

Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30
Client ID: WC-08
Sample Location: Not Specified

Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified

Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34
Client ID: WC-04
Sample Location: Not Specified

Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-51
Client ID: WC-12
Sample Location: Not Specified

Sample Depth:
Matrix: Soil

Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-53
Client ID: WC-6
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/24/22 15:34	1,1030	MD

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-01
Client ID: SB-21 (2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.5		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-02
Client ID: SB-21 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 09:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/22/22 10:40	08/23/22 08:29	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-03
Client ID: SB-21 (4')
Sample Location: Not Specified

Date Collected: 08/18/22 09:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-04
Client ID: SB-21 (3-6')
Sample Location: Not Specified

Date Collected: 08/18/22 09:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.1		%	0.100	NA	1	-	08/19/22 10:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 08:30	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.832	0.166	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-05
Client ID: SB-21 (9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-06
Client ID: SB-21 (7-9')
Sample Location: Not Specified

Date Collected: 08/18/22 09:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.24	1	08/22/22 10:40	08/23/22 08:33	1,9010C/9012B	CS
Chromium, Hexavalent	0.496	J	mg/kg	0.946	0.189	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-07
Client ID: SB-23 (2')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-08
Client ID: SB-23 (1-3')
Sample Location: Not Specified

Date Collected: 08/18/22 11:10
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/22/22 10:40	08/23/22 08:34	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-09
Client ID: SB-23 (7')
Sample Location: Not Specified

Date Collected: 08/18/22 11:15
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-10
Client ID: SB-23 (4-7')
Sample Location: Not Specified

Date Collected: 08/18/22 11:15
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/22/22 10:40	08/23/22 08:35	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.868	0.174	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-11
Client ID: SB-23 (9.5')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.1		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-12
Client ID: SB-23 (8-10')
Sample Location: Not Specified

Date Collected: 08/18/22 11:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 08:15	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.879	0.176	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-13
Client ID: SB-18 (2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-14
Client ID: SB-18 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 13:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 08:16	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.866	0.173	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-15
Client ID: SB-18 (4')
Sample Location: Not Specified

Date Collected: 08/18/22 13:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-16
Client ID: SB-18 (2-4')
Sample Location: Not Specified

Date Collected: 08/18/22 13:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.5		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.22	1	08/22/22 10:40	08/23/22 08:17	1,9010C/9012B	CS
Chromium, Hexavalent	0.227	J	mg/kg	0.865	0.173	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-17
Client ID: SB-18 (6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-18
Client ID: SB-18 (4-6')
Sample Location: Not Specified

Date Collected: 08/18/22 13:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 09:04	1,9010C/9012B	CS
Chromium, Hexavalent	0.467	J	mg/kg	0.870	0.174	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-19
Client ID: SB-27 (2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-20
Client ID: SB-27 (0-2')
Sample Location: Not Specified

Date Collected: 08/18/22 14:40
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 09:07	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.838	0.168	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-21
Client ID: SB-27 (7')
Sample Location: Not Specified

Date Collected: 08/18/22 14:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-22
Client ID: SB-27 (3-7')
Sample Location: Not Specified

Date Collected: 08/18/22 14:45
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.9		%	0.100	NA	1	-	08/19/22 09:02	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 10:40	08/23/22 09:10	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.843	0.168	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-23
Client ID: SB-27 (9.5')
Sample Location: Not Specified

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.9		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-24
Client ID: SB-27 (8-10')
Sample Location: Not Specified

Sample Depth:
Matrix: Soil

Date Collected: 08/18/22 14:50
Date Received: 08/18/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.1		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/22/22 10:40	08/23/22 09:11	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.918	0.184	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-25
Client ID: DUP-SOIL-8.18.22
Sample Location: Not Specified

Date Collected: 08/18/22 00:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.9		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/22/22 15:15	08/23/22 10:10	1,9010C/9012B	CS
Chromium, Hexavalent	0.353	J	mg/kg	0.910	0.182	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-28
Client ID: WC-05
Sample Location: Not Specified

Date Collected: 08/18/22 10:20
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/21/22 16:10	08/22/22 09:29	1,9010C/9012B	CS
pH (H)	8.3		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	ND		mg/kg	0.849	0.170	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:46	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:11	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-30
Client ID: WC-08
Sample Location: Not Specified

Date Collected: 08/18/22 11:25
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.8		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/21/22 16:10	08/22/22 09:31	1,9010C/9012B	CS
pH (H)	8.4		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	ND		mg/kg	0.835	0.167	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:48	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:12	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-32
Client ID: WC-14
Sample Location: Not Specified

Date Collected: 08/18/22 14:55
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.4		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/21/22 16:10	08/22/22 09:32	1,9010C/9012B	CS
pH (H)	8.4		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	ND		mg/kg	0.830	0.166	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:48	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:12	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-34
Client ID: WC-04
Sample Location: Not Specified

Date Collected: 08/18/22 14:00
Date Received: 08/18/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	08/19/22 09:24	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/21/22 16:10	08/22/22 09:33	1,9010C/9012B	CS
pH (H)	9.1		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	0.363	J	mg/kg	0.938	0.188	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:49	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:13	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-36
Client ID: SB-8 (2')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-37
Client ID: SB-8 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 09:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/22/22 15:15	08/23/22 10:11	1,9010C/9012B	CS
Chromium, Hexavalent	0.372	J	mg/kg	0.930	0.186	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-38
Client ID: SB-8 (7')
Sample Location: Not Specified

Date Collected: 08/19/22 09:35
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-39
Client ID: SB-8 (4-7')
Sample Location: Not Specified

Date Collected: 08/19/22 09:35
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 15:15	08/23/22 10:12	1,9010C/9012B	CS
Chromium, Hexavalent	0.226	J	mg/kg	0.862	0.172	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-40
Client ID: SB-8 (10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-41
Client ID: SB-8 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 09:40
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 15:15	08/23/22 10:13	1,9010C/9012B	CS
Chromium, Hexavalent	0.274	J	mg/kg	0.845	0.169	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-42
Client ID: SB-05 (2')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.6		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-43
Client ID: SB-05 (1-3')
Sample Location: Not Specified

Date Collected: 08/19/22 12:10
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/22/22 15:15	08/23/22 10:16	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.868	0.174	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-44
Client ID: SB-05 (4')
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-45
Client ID: SB-05 (4-7')
Sample Location: Not Specified

Date Collected: 08/19/22 12:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 15:15	08/23/22 10:20	1,9010C/9012B	CS
Chromium, Hexavalent	0.464	J	mg/kg	0.864	0.173	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-46
Client ID: SB-05 (9')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-47
Client ID: SB-05 (8-10')
Sample Location: Not Specified

Date Collected: 08/19/22 12:20
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/22/22 15:15	08/23/22 10:23	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.845	0.169	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-48
Client ID: FIELD BLANK-SOIL-8.19.22
Sample Location: Not Specified

Date Collected: 08/19/22 14:15
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/22/22 01:15	08/22/22 11:10	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/22 10:30	08/20/22 10:45	1,7196A	KA

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-50
Client ID: WC-12 (6')
Sample Location: Not Specified

Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-51
Client ID: WC-12
Sample Location: Not Specified

Date Collected: 08/19/22 10:00
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/22/22 15:15	08/23/22 10:24	1,9010C/9012B	CS
pH (H)	7.8		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	0.403	J	mg/kg	0.895	0.179	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:29	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:07	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-52
Client ID: WC-6 (4')
Sample Location: Not Specified

Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-53
Client ID: WC-6
Sample Location: Not Specified

Date Collected: 08/19/22 12:30
Date Received: 08/19/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/20/22 11:18	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/22/22 15:15	08/23/22 10:25	1,9010C/9012B	CS
pH (H)	8.8		SU	-	NA	1	-	08/22/22 18:30	1,9045D	RM
Chromium, Hexavalent	0.337	J	mg/kg	0.870	0.174	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:29	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:07	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/22/22 17:36	1,9095B	AS

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-54
Client ID: SB-04 (1')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.6		%	0.100	NA	1	-	08/23/22 07:37	121,2540G	RI

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

SAMPLE RESULTS

Lab ID: L2244887-55
Client ID: SB-04 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 08:45
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.2		%	0.100	NA	1	-	08/23/22 07:37	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/23/22 06:15	08/23/22 12:09	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.877	0.175	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Project Name: 101 E 151ST STREET RI **Lab Number:** L2244887

Project Number: 41.0162951.10 **Report Date:** 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 28,30,32,34 Batch: WG1677182-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:02	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 28,30,32,34 Batch: WG1677186-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/19/22 09:10	08/19/22 11:38	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 48 Batch: WG1677613-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/20/22 10:30	08/20/22 10:41	1,7196A	KA
General Chemistry - Westborough Lab for sample(s): 51,53 Batch: WG1677825-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:04	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 51,53 Batch: WG1677827-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/21/22 12:30	08/21/22 18:26	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 28,30,32,34 Batch: WG1677865-1										
Cyanide, Total	ND		mg/kg	0.90	0.19	1	08/21/22 16:10	08/22/22 09:02	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 48 Batch: WG1677926-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/22/22 01:15	08/22/22 10:45	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 02,04,06,08,10 Batch: WG1677964-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	08/22/22 10:40	08/23/22 08:11	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 12,14,16 Batch: WG1677966-1										
Cyanide, Total	ND		mg/kg	0.92	0.20	1	08/22/22 10:40	08/23/22 08:11	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 18,20,22,24 Batch: WG1677967-1										
Cyanide, Total	ND		mg/kg	0.86	0.18	1	08/22/22 10:40	08/23/22 08:45	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 25,37,39,41,43 Batch: WG1678160-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	08/22/22 15:15	08/23/22 09:58	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 45,47,51,53 Batch: WG1678163-1										
Cyanide, Total	ND		mg/kg	0.89	0.19	1	08/22/22 15:15	08/23/22 09:58	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 55 Batch: WG1678394-1										
Cyanide, Total	ND		mg/kg	0.96	0.20	1	08/23/22 06:15	08/23/22 11:41	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 02,04,06,08,10,12,14,16,18,20 Batch: WG1678788-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/23/22 20:00	08/23/22 23:30	1,7196A	JT

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2244887
Report Date: 09/06/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 22,24-25,28,30,32,34 Batch: WG1679211-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/24/22 19:30	08/24/22 22:30	1,7196A	WT
General Chemistry - Westborough Lab for sample(s): 37,39,41,43,45,47,51,53,55 Batch: WG1679287-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/24/22 21:00	08/25/22 11:41	1,7196A	MC

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34 Batch: WG1677182-2								
Sulfide, Reactive	80		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34 Batch: WG1677186-2								
Cyanide, Reactive	68		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 48 Batch: WG1677613-2								
Chromium, Hexavalent	101		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 51,53 Batch: WG1677825-2								
Sulfide, Reactive	76		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 51,53 Batch: WG1677827-2								
Cyanide, Reactive	76		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34 Batch: WG1677865-2 WG1677865-3								
Cyanide, Total	**65**	Q	**72**	Q	80-120	21		35
General Chemistry - Westborough Lab Associated sample(s): 48 Batch: WG1677926-2 WG1677926-3								
Cyanide, Total	91		93		85-115	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD		RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10 Batch: WG1677964-2 WG1677964-3							
Cyanide, Total	**66**	Q	89	80-120	**39**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 12,14,16 Batch: WG1677966-2 WG1677966-3							
Cyanide, Total	**66**	Q	89	80-120	**39**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 18,20,22,24 Batch: WG1677967-2 WG1677967-3							
Cyanide, Total	**77**	Q	91	80-120	18		35
General Chemistry - Westborough Lab Associated sample(s): 25,37,39,41,43 Batch: WG1678160-2 WG1678160-3							
Cyanide, Total	86		90	80-120	28		35
General Chemistry - Westborough Lab Associated sample(s): 45,47,51,53 Batch: WG1678163-2 WG1678163-3							
Cyanide, Total	86		90	80-120	28		35
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34,51,53 Batch: WG1678258-1							
pH	101		-	99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 55 Batch: WG1678394-2 WG1678394-3							
Cyanide, Total	82		88	80-120	10		35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20 Batch: WG1678788-2					
Chromium, Hexavalent	92	-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 22,24-25,28,30,32,34 Batch: WG1679211-2					
Chromium, Hexavalent	88	-	80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 37,39,41,43,45,47,51,53,55 Batch: WG1679287-2					
Chromium, Hexavalent	85	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1677613-4 QC Sample: L2244887-48 Client ID: FIELD BLANK-SOIL-8.19.22												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34 QC Batch ID: WG1677865-4 WG1677865-5 QC Sample: L2244553-07 Client ID: MS Sample												
Cyanide, Total	ND	10	6.9	**67**	Q	9.8	93		75-125	35		35
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1677926-4 WG1677926-5 QC Sample: L2244887-48 Client ID: FIELD BLANK-SOIL-8.19.22												
Cyanide, Total	ND	0.2	0.204	102		0.206	103		80-120	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10 QC Batch ID: WG1677964-4 WG1677964-5 QC Sample: L2245003-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		13	110		75-125	8		35
General Chemistry - Westborough Lab Associated sample(s): 12,14,16 QC Batch ID: WG1677966-4 WG1677966-5 QC Sample: L2245072-01 Client ID: MS Sample												
Cyanide, Total	ND	11	11	100		12	110		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 18,20,22,24 QC Batch ID: WG1677967-4 WG1677967-5 QC Sample: L2244887-18 Client ID: SB-18 (4-6')												
Cyanide, Total	ND	10	11	110		12	120		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 25,37,39,41,43 QC Batch ID: WG1678160-4 WG1678160-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')												
Cyanide, Total	ND	10	11	110		11	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 45,47,51,53 QC Batch ID: WG1678163-4 WG1678163-5 QC Sample: L2244887-45 Client ID: SB-05 (4-7')												
Cyanide, Total	ND	9.9	11	110		11	100		75-125	0		35

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 55 QC Batch ID: WG1678394-4 WG1678394-5 QC Sample: L2244652-01 Client ID: MS Sample									
Cyanide, Total	ND	10	11	110	11	110	75-125	0	35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20 QC Batch ID: WG1678788-4 QC Sample: L2244887-04 Client ID: SB-21 (3-6')									
Chromium, Hexavalent	ND	948	987	104	-	-	75-125	-	20
General Chemistry - Westborough Lab Associated sample(s): 22,24-25,28,30,32,34 QC Batch ID: WG1679211-4 QC Sample: L2244887-22 Client ID: SB-27 (3-7')									
Chromium, Hexavalent	ND	1120	1030	92	-	-	75-125	-	20
General Chemistry - Westborough Lab Associated sample(s): 37,39,41,43,45,47,51,53,55 QC Batch ID: WG1679287-4 WG1679287-5 QC Sample: L2244887-41 Client ID: SB-8 (8-10')									
Chromium, Hexavalent	0.274J	1250	1140	91	1440	98	75-125	7	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,05-22 QC Batch ID: WG1677147-1 QC Sample: L2244887-01 Client ID: SB-21 (2')						
Solids, Total	94.5	94.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 23-25,28,30,32,34 QC Batch ID: WG1677148-1 QC Sample: L2243951-49 Client ID: DUP Sample						
Solids, Total	92.4	92.5	%	0		20
- Associated sample(s): 28,30,32,34 QC Batch ID: WG1677182-3 QC Sample: L2244822-05 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
- Associated sample(s): 28,30,32,34 QC Batch ID: WG1677186-3 QC Sample: L2244822-05 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 04 QC Batch ID: WG1677205-1 QC Sample: L2244809-01 Client ID: DUP Sample						
Solids, Total	91.2	91.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 36-47,50-53 QC Batch ID: WG1677570-1 QC Sample: L2244887-40 Client ID: SB-8 (10')						
Solids, Total	94.4	94.2	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 48 QC Batch ID: WG1677613-3 QC Sample: L2244887-48 Client ID: FIELD BLANK-SOIL-8.19.22						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 51,53 QC Batch ID: WG1677825-3 QC Sample: L2244552-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 151ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2244887

Report Date: 09/06/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 51,53 QC Batch ID: WG1677827-3 QC Sample: L2244552-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 28,30,32,34,51,53 QC Batch ID: WG1678258-2 QC Sample: L2244809-01 Client ID: DUP Sample					
pH	11.5	11.1	SU	4	5
General Chemistry - Westborough Lab Associated sample(s): 54-55 QC Batch ID: WG1678467-1 QC Sample: L2244887-54 Client ID: SB-04 (1')					
Solids, Total	92.6	92.7	%	0	20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14,16,18,20 QC Batch ID: WG1678788-6 QC Sample: L2244887-04 Client ID: SB-21 (3-6')					
Chromium, Hexavalent	ND	ND	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 22,24-25,28,30,32,34 QC Batch ID: WG1679211-6 QC Sample: L2244887-22 Client ID: SB-27 (3-7')					
Chromium, Hexavalent	ND	0.274J	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 37,39,41,43,45,47,51,53,55 QC Batch ID: WG1679287-8 QC Sample: L2244887-41 Client ID: SB-8 (8-10')					
Chromium, Hexavalent	0.274J	ND	mg/kg	NC	20

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
A1	Absent
A2	Absent
B	Absent
B1	Absent
B2	Absent
C	Absent
C1	Absent
D	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-01A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2244887-01B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-01C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-01D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2244887-02A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		4.1	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2244887-02B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-02C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-02D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-02E	Glass 500ml/16oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-03A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-03B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-03C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-03D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2244887-04A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		4.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2244887-04B	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TS(7)
L2244887-04C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-05A	Vial MeOH preserved	B	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2244887-05B	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-05C	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-05D	Plastic 120ml unpreserved	B	NA		2.7	Y	Absent		TS(7)
L2244887-06A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	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),CU-TI(180),PB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2244887-06B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-06C	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-06D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-06E	Glass 500ml/16oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-07A	Vial MeOH preserved	C	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-07B	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-07C	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-07D	Plastic 120ml unpreserved	C	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-08A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2244887-08B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-08C	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-08D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-08E	Glass 500ml/16oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-09A	Vial MeOH preserved	C	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-09B	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-09C	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-09D	Plastic 120ml unpreserved	C	NA		4.2	Y	Absent		TS(7)
L2244887-10A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	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),SB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2244887-10B	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),TS(7)
L2244887-10C	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-11A	Vial MeOH preserved	D	NA		4.1	Y	Absent		NYTCL-8260HLW(14)
L2244887-11B	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-11C	Vial water preserved	D	NA		4.1	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-11D	Plastic 120ml unpreserved	D	NA		4.1	Y	Absent		TS(7)
L2244887-12A	Metals Only-Glass 60mL/2oz unpreserved	D	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),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2244887-12B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-12C	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-12D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-12E	Glass 500ml/16oz unpreserved	D	NA		4.1	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-13A	Vial MeOH preserved	C	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-13B	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-13C	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-14A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MN-TI(180),MG-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2244887-14B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-14C	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-14D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-14E	Glass 500ml/16oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-15A	Vial MeOH preserved	C	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-15B	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-15C	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-15D	Plastic 120ml unpreserved	C	NA		4.2	Y	Absent		TS(7)
L2244887-16A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	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),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2244887-16B	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),TS(7)
L2244887-16C	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-17A	Vial MeOH preserved	C	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-17B	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-17C	Vial water preserved	C	NA		4.2	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-17D	Plastic 120ml unpreserved	C	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-18A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	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),PB-TI(180),SB-TI(180),CU-TI(180),ZN-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2244887-18B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-18C	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-18D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-18E	Glass 500ml/16oz unpreserved	C	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-19A	Vial MeOH preserved	B	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2244887-19B	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-19C	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-19D	Plastic 120ml unpreserved	B	NA		2.7	Y	Absent		TS(7)
L2244887-20A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	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),SE-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),HG-T(28),MG-TI(180),MN-TI(180),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2244887-20B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-20C	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-20D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-20E	Glass 500ml/16oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-21A	Vial MeOH preserved	B	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2244887-21B	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-21C	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-21D	Plastic 120ml unpreserved	B	NA		2.7	Y	Absent		TS(7)
L2244887-22A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-22B	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),TS(7)
L2244887-22C	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-23A	Vial MeOH preserved	B	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2244887-23B	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-23C	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-23D	Plastic 120ml unpreserved	B	NA		2.7	Y	Absent		TS(7)
L2244887-24A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	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),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),MG-TI(180),HG-T(28),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2244887-24B	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-24C	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-24D	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-24E	Glass 500ml/16oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-25A	Vial MeOH preserved	B	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2244887-25B	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	NYTCL-8260HLW(14)
L2244887-25C	Vial water preserved	B	NA		2.7	Y	Absent	19-AUG-22 02:50	TCN-9010(14),NYTCL-8260HLW(14),HEXCR-7196(30)
L2244887-25D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2244887-25E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	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),SE-TI(180),CU-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),CD-TI(180),NA-TI(180)
L2244887-25F	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-25G	Plastic 8oz unpreserved	A	NA		3.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-25H	Glass 500ml/16oz unpreserved	B	NA		2.7	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2244887-25I	Plastic 120ml unpreserved	B	NA		2.7	Y	Absent		TS(7)
L2244887-26A	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260(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(*)
L2244887-26B	Vial HCl preserved	C	NA		4.2	Y	Absent		NYTCL-8260(14)
L2244887-27A	Vial Large Septa unpreserved (4oz)	D	NA		4.1	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-27B	Vial Large Septa unpreserved (4oz)	D	NA		4.1	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-27Y	Vial unpreserved Extracts	D	NA		4.1	Y	Absent		TCLP-VOA(14)
L2244887-27Z	Vial unpreserved Extracts	D	NA		4.1	Y	Absent		TCLP-VOA(14)
L2244887-28A	Metals Only-Glass 60mL/2oz unpreserved	D	NA		4.1	Y	Absent		HG-T(28)
L2244887-28B	Glass 120ml/4oz unpreserved	D	NA		4.1	Y	Absent		TPH-GRO(14)
L2244887-28C	Glass 500ml/16oz unpreserved	D	NA		4.1	Y	Absent		TCN-9010(14),REACTS(14),NJEPH-TPH-CAT2(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-28X	Plastic 120ml HNO3 preserved Extracts	D	NA		4.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2244887-28X9	Tumble Vessel	D	NA		4.1	Y	Absent		-
L2244887-28Z	Vial MeOH preserved split	D	NA		4.1	Y	Absent		TPH-GRO(14)
L2244887-29A	Vial Large Septa unpreserved (4oz)	C	NA		4.2	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-29B	Vial Large Septa unpreserved (4oz)	C	NA		4.2	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-29Y	Vial unpreserved Extracts	C	NA		4.2	Y	Absent		TCLP-VOA(14)
L2244887-29Z	Vial unpreserved Extracts	C	NA		4.2	Y	Absent		TCLP-VOA(14)
L2244887-30A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	Y	Absent		HG-T(28)
L2244887-30B	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		TPH-GRO(14)
L2244887-30C	Glass 500ml/16oz unpreserved	C	NA		4.2	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-30X	Plastic 120ml HNO3 preserved Extracts	C	NA		4.2	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2244887-30X9	Tumble Vessel	C	NA		4.2	Y	Absent		-
L2244887-30Z	Vial MeOH preserved split	C	NA		4.2	Y	Absent		TPH-GRO(14)
L2244887-31A	Vial Large Septa unpreserved (4oz)	B	NA		2.7	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-31B	Vial Large Septa unpreserved (4oz)	B	NA		2.7	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-31Y	Vial unpreserved Extracts	B	NA		2.7	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-31Z	Vial unpreserved Extracts	B	NA		2.7	Y	Absent		TCLP-VOA(14)
L2244887-32A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.7	Y	Absent		HG-T(28)
L2244887-32B	Glass 120ml/4oz unpreserved	B	NA		2.7	Y	Absent		TPH-GRO(14)
L2244887-32C	Glass 500ml/16oz unpreserved	B	NA		2.7	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),REACTS(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-32X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.7	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2244887-32X9	Tumble Vessel	B	NA		2.7	Y	Absent		-
L2244887-32Z	Vial MeOH preserved split	B	NA		2.7	Y	Absent		TPH-GRO(14)
L2244887-33A	Vial Large Septa unpreserved (4oz)	C	NA		4.2	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-33B	Vial Large Septa unpreserved (4oz)	C	NA		4.2	Y	Absent		TCLP-EXT-ZHE(14)
L2244887-33Y	Vial unpreserved Extracts	C	NA		4.2	Y	Absent		TCLP-VOA(14)
L2244887-33Z	Vial unpreserved Extracts	C	NA		4.2	Y	Absent		TCLP-VOA(14)
L2244887-34A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		4.2	Y	Absent		HG-T(28)
L2244887-34B	Glass 120ml/4oz unpreserved	C	NA		4.2	Y	Absent		TPH-GRO(14)
L2244887-34C	Glass 500ml/16oz unpreserved	C	NA		4.2	Y	Absent		TCN-9010(14),REACTS(14),NJEPH-TPH-CAT2(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-34X	Plastic 120ml HNO3 preserved Extracts	C	NA		4.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2244887-34X9	Tumble Vessel	C	NA		4.2	Y	Absent		-
L2244887-34Z	Vial MeOH preserved split	C	NA		4.2	Y	Absent		TPH-GRO(14)
L2244887-36A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-36B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-36C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-36D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-37A	Metals Only-Glass 60mL/2oz unpreserved	A1	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),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2244887-37B	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)
L2244887-37C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-37D	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-37E	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-38A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-38B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-38C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-38D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-39A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),CR-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),V-TI(180),CO-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)
L2244887-39B	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2244887-39C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2244887-40A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-40A1	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-40A2	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-40B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40B1	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40B2	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40C1	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40C2	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-40D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-40D1	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-40D2	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-41A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2244887-41A1	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2244887-41A2	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),NI-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2244887-41B	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)
L2244887-41B1	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)
L2244887-41B2	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)
L2244887-41C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-41C1	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-41C2	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-41D	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-41D1	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-41D2	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-41E	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-41E1	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-41E2	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-42A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-42B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-42C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-42D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-43A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	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),SE-TI(180),CU-TI(180),SB-TI(180),ZN-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),K-TI(180),CD-TI(180),NA-TI(180)
L2244887-43B	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)
L2244887-43C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-43D	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-43E	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-44A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-44B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-44C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-44D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-45A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	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),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2244887-45B	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-45C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2244887-46A	Vial MeOH preserved	A1	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L2244887-46B	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-46C	Vial water preserved	A1	NA		2.6	Y	Absent	20-AUG-22 05:22	NYTCL-8260HLW(14)
L2244887-46D	Plastic 120ml unpreserved	A1	NA		2.6	Y	Absent		TS(7)
L2244887-47A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2244887-47B	Plastic 2oz unpreserved for TS	C1	NA		3.1	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-47C	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-47D	Plastic 8oz unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-47E	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),HEXCR-7196(30)
L2244887-48A	Vial HCl preserved	B1	NA		4.2	Y	Absent		NYTCL-8260(14)
L2244887-48B	Vial HCl preserved	B1	NA		4.2	Y	Absent		NYTCL-8260(14)
L2244887-48C	Plastic 250ml unpreserved	C1	NA		3.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-48D	Plastic 250ml HNO3 preserved	B1	<2	<2	4.2	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-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),MN-6020T(180),BE-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),MG-6020T(180),AG-6020T(180),CD-6020T(180),AL-6020T(180),HG-T(28),CO-6020T(180)
L2244887-48E	Plastic 250ml NaOH preserved	B1	>12	>12	4.2	Y	Absent		TCN-9010(14)
L2244887-48F	Amber 120ml unpreserved	B1	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2244887-48G	Amber 120ml unpreserved	B1	7	7	4.2	Y	Absent		NYTCL-8081(7)
L2244887-48H	Amber 120ml unpreserved	B1	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2244887-48I	Amber 120ml unpreserved	B1	7	7	4.2	Y	Absent		NYTCL-8082-LVI(365)
L2244887-48J	Amber 250ml unpreserved	B1	7	7	4.2	Y	Absent		HEXCR-7196(1)
L2244887-48K	Amber 250ml unpreserved	B1	7	7	4.2	Y	Absent		NYTCL-8270-LVI(7)
L2244887-48L	Amber 250ml unpreserved	B1	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2244887-48M	Amber 250ml unpreserved	B1	7	7	4.2	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2244887-48N	Amber 1000ml unpreserved	B1	7	7	4.2	Y	Absent		HERB-APA(7)
L2244887-48O	Amber 1000ml unpreserved	B1	7	7	4.2	Y	Absent		HERB-APA(7)
L2244887-49A	Vial HCl preserved	A1	NA		2.6	Y	Absent		NYTCL-8260(14)
L2244887-49B	Vial HCl preserved	A1	NA		2.6	Y	Absent		NYTCL-8260(14)
L2244887-50A	Vial Large Septa unpreserved (4oz)	A1	NA		2.6	Y	Absent		TS(7)
L2244887-50B	Vial Large Septa unpreserved (4oz)	A1	NA		2.6	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2244887-50X	Vial MeOH preserved split	A1	NA		2.6	Y	Absent		TPH-GRO(14)
L2244887-50Y	Vial unpreserved Extracts	A1	NA		2.6	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

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Report Date: 09/06/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-50Z	Vial unpreserved Extracts	A1	NA		2.6	Y	Absent		TCLP-VOA(14)
L2244887-51A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		HG-T(28)
L2244887-51B	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-51C	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-51X	Plastic 120ml HNO3 preserved Extracts	A1	NA		2.6	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2244887-51X9	Tumble Vessel	A1	NA		2.6	Y	Absent		-
L2244887-52A	Vial Large Septa unpreserved (4oz)	A1	NA		2.6	Y	Absent		TS(7)
L2244887-52B	Vial Large Septa unpreserved (4oz)	A1	NA		2.6	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2244887-52X	Vial MeOH preserved split	A1	NA		2.6	Y	Absent		TPH-GRO(14)
L2244887-52Y	Vial unpreserved Extracts	A1	NA		2.6	Y	Absent		TCLP-VOA(14)
L2244887-52Z	Vial unpreserved Extracts	A1	NA		2.6	Y	Absent		TCLP-VOA(14)
L2244887-53A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		2.6	Y	Absent		HG-T(28)
L2244887-53B	Glass 120ml/4oz unpreserved	A1	NA		2.6	Y	Absent		REACTS(14),TCN-9010(14),NJEPH-TPH-CAT2(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-53C	Glass 500ml/16oz unpreserved	A1	NA		2.6	Y	Absent		REACTS(14),TCN-9010(14),NJEPH-TPH-CAT2(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2244887-53X	Plastic 120ml HNO3 preserved Extracts	A1	NA		2.6	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2244887-53X9	Tumble Vessel	A1	NA		2.6	Y	Absent		-
L2244887-54A	Vial MeOH preserved	B2	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2244887-54B	Vial water preserved	B2	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2244887-54C	Vial water preserved	B2	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2244887-54D	Plastic 120ml unpreserved	B2	NA		3.2	Y	Absent		TS(7)
L2244887-55A	Plastic 2oz unpreserved for TS	A2	NA		2.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2244887-55B	Metals Only-Glass 60mL/2oz unpreserved	B2	NA		3.2	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),SE-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2244887-55C	Plastic 8oz unpreserved	A2	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2244887-55D	Glass 120ml/4oz unpreserved	B2	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2244887-55E	Glass 500ml/16oz unpreserved	B2	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 151ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2244887
Report Date: 09/06/22

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	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	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
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	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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GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

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Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

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Data Qualifiers

Identified Compounds (TICs).

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 151ST STREET RI	**Lab Number:**	L2244887
Project Number:	41.0162951.10	**Report Date:**	09/06/22

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 5

Date Rec'd in Lab: 8/18/22

ALPHA Job #: L2244887

Client Information
Client: GZA GeoEnvironmental
Address: 104 West 29th St NY, NY 10001
Phone: 212 594 5410
Fax:
Email: Reinbill.Manigwe@gza.com

Project Information
Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manigwe
ALPHAQuote #: 19508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
Per SDG; keep open * Metals are also analyzed for total cyanide & Hex. Chrom

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

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 1,4-dioxane	TCL SVOCs + 1,4-dioxane	TAL Pest 8081	TAL Herb 8151	TH PCBs 8082	TAL Metals 6010	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
44887-01	SB-21 (2')	8/18/22	9:45	Soil	JB	X									4
02	SB-21 (0-2')		9:45				X	X	X	X	X	X	X		5
03	SB-21 (4')		9:50			X									4
04	SB-21 (3-6')		9:50				X	X			X				3
05	SB-21 (9')		9:55			X									4
06	SB-21 (7-9')		9:55				X	X	X	X	X	X	X		5
07	SB-23 (2')		11:10			X									4
08	SB-23 (1-3')		11:10				X	X	X	X	X	X	X		5
09	SB-23 (7')		11:15			X									4
10	SB-23 (6-7')	↓	11:15	↓	↓		X	X	X		X				3

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	A	P	A
Preservative	C	A	A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/18/22 15:40	MJ/JB (via)	8/18/22 15:50
Paul Mazzeo	8/18/22 17:20	Paul Mazzeo	8/18/22 17:20
		MJ/JB via	8/18/22 2220

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 7 of 5

Date Rec'd in Lab: 8/18/22

ALPHA Job #: L2244887

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 27th St
NY, NY 10001
Phone: 212 924 8140
Fax:
Email: Randall.Manigwez@GZA.com

Project Information

Project Name: 101 E 150th St BX
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Randall Manigwez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐
Rush (only if pre approved) ☒
Due Date:
# of Days: 1 week

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:

Metals are also analyzed for total Cyanide & Hexchrom *

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs Soil	TCL SVOCs + TICs Soil	TAL Metals (Soil) Total	TAL Pest Soil	TAL Herb 8151	TAL PCBs 8082 *	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
44887-11	SB-22 (9.5')	8/18/22	11:20	S-1		X									5
12	SB-23 (8-10')		11:20				X	X	X	X	X	X	X		5
13	SB-16 (2')		13:45			X									5
14	SB-17 (C-2')		13:45				X	X	X	X	X	X	X		5
15	SB-14 (4')		13:50			X									14
16	SB-19 (7-4')		13:50				X	X							2
17	SB-18 (6')		13:55			X									5
18	SB-18 (4-6')		13:55				X	X	X	X	X	X	X		5
19	SB-27 (2')		16:40			X									5
20	SB-27 (C-2')	V	16:40	V	V		X	X	X	X	X	X	X		5
	Container Type					V	A	A	A	A	A	P	A		
	Preservative					C	A	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/18/22 15:00	Mahwah Lowe	8/18/22 15:30
Mahwah Lowe	8/18/22 18:20	Paul Mazzella	8/18/22 17:55
Paul Mazzella	8/18/22		

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 3 of ~~35~~

Date Rec'd in Lab: 8/18/22

ALPHA Job #: L2244887

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212-594-5410
Fax:
Email: Reinbill.Manjarrez@GZA.com

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 01.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Manjarrez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

* Metals are analyzed for total Cyanide & Hex Chrom

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs +TICs 8260	TCL SVOCs +TICs 8270	TAL Metals 6010/7471	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Total Bottle
44887-21	SB-77 (7')	8/15/22	14:45	Soil	JB	X								4
22	SB-77 (3-7')		14:45				X	X						3
23	SB-77 (9.5')		14:50			X								4
24	SB-77 (8-10')		14:50				X	X	X	X	X	X	X	5
25	Dup-Soil-8.15.22					X	X	X	X	X	X	X	X	9
26	Trip Blank		15:30			X								

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	V	A	A	A	A	A	P	A	
Preservative	C	A	A	A	A	A	A	A	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/15/22 15:50	MSM10 (mm)	8/14/22 15:50
MSM10 (mm)	8/18/22 17:20	Paul Mazzella	8/18/22 17:20
Paul Mazzella	8/18/22		

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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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 4 of 5

Date Rec'd in Lab: 8/18/22

ALPHA Job #: L2244887

Client Information
Client: ETA Geotechnical
Address: 104 W 29th St
NY, NY
Phone: 212 594 8140
Fax:
Email: Reinbill.Maniquez@gmail.com

Project Information
Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Maniquez
ALPHAQuote #: 195CX

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1 week

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:

WC-08 (6') → WC-08

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	TCLP VOCs	TPH GRO Gas/D	Cyanide 9012B	Mercury 7474	Hex Chrom 7196A	Reactive Sulfide	MW EPH	Corrosivity 1120	Ignitability 1030	Flash Point	Sulfide Reactivity	TCLP Extraction	TCLP Metals + Hg	Sample Specific Comments	Total Bottle
44887-27	WC-05 (1')	8/18/22	10:20	Soil	JB	X														2
28	WC-05		10:20				X	X	X	X	X	X	X	X	X	X	X	X		3
29	WC-08 (1')		11:25			X														2
30	WC-08		11:25				X	X	X	X	X	X	X	X	X	X	X	X		3
31	WC-14 (6')		14:55			X														2
32	WC-14		14:55				X	X	X	X	X	X	X	X	X	X	X	X		3
33	WC-04 (1')		14:00			X														2
34	WC-04		14:00				X	X	X	X	X	X	X	X	X	X	X	X		3

Container Type: A A A A Δ A A A
Preservative: A A A A A A A A

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/18/22 15:10	MSM via email	8/19/22 15:30
MSM via email	8/19/22 17:20	Paul Mazzella	8/19/22 17:20
Paul Mazzella	8/19/22		

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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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 3

Date Rec'd in Lab: 8/19/22

ALPHA Job #: L2244887

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 5140
Fax:
Email: Reinbill.Manigwet

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manigwet
ALPHAQuote #: 195058

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG L2244887; keep open
Metals to be analyzed for *Total Cyanide & Hex Chrom

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + HTs 8260	TCL SVOCs + HTs 8270	TAL Metals Calc/Tot 6010	TAL Pest 8081	TAL Herbicides	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottles
44887-36	SB-8 (2')	8/19/22	9:30	Soil	MZ	X									5
37	SB-8 (1-3')		9:30				X	X	X	X	X	X	X		5
38	SB-8 (7')		9:35			X									3
39	SB-8 (4-7')		9:35				X	X							3
-40	SB-8 (10')		9:40			X									4
-41	SB-8 (8-10')		9:40				X	X	X	X	X	X	X		5
-40	MS-SB-8 (10')		9:42			X									4
-41	MS-SB-8 (8-10')		9:42				X	X	X	X	X	X	X		5
-40	MSD-SB-8 (10')		9:44			X									4
-41	MSD-SB-8 (8-10')		9:44				X	X	X	X	X	X	X		5

Container Type	V	A	A	A	A	A	D	A		
Preservative	C	†	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
MZ	8/19/22 15:55	Kelly Cable	8/19/22 15:55
Paul Mazzella	8/19/22 17:05	Paul Mazzella	8/19/22 17:05
			8/19/22

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
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FAX: 508-898-9193

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

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

Page 2 of 3

Date Rec'd in Lab: 8/19/22

ALPHA Job #: L2244887

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Ronald.Muniguet@gza.com

Project Information

Project Name: 101 E 15th St RI
Project Location:
Project #: 11.0162951.10
(Use Project name as Project #) ☐
Project Manager: Ronald Muniguet
ALPHAQuote #: 19568

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG L2244887; keep open * Metals to be analyzed for total cyanide & Hex Chrom; for Field Blank TAL total metals w/ total cyanide & Hex chrom.

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	TCL SVOCs 8270	TAL metals 6010	TAL Hex Cr 7196	TAL Hg 7471	TAL PCBs 8082	TAL Pest 8081	1,4-Dioxane	Sample Specific Comments	Total Bottle
44887-42	SB05 (2')	8/19/22	12:10	Soil	JB	X									13
43	SB-05 (1-3')		12:10				X	X	X	X	X	X	X		8
44	SB-05 (4')		12:15			X									4
45	SB-05 (4-5')		12:15				X	X							3
46	SB-05 (9')		12:20			X									4
47	SB-05 (8-16')		12:20				X	X	X	X	X	X	X		5
48	FieldBlank-Soil-8.19.22		14:15	Water		X	X	X	X	X	X	X	X		13
49	TripBlank-05			Water		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	G	A	A	P	A
Preservative	C	A	C/A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/19/22 15:55	Cary Cullo	8/19/22 15:55
Cary Cullo	8/19/22 17:05	Paul Mazzella	8/19/22 17:05
Paul Mazzella	8/19/22		

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: 3 of 3

Date Rec'd in Lab: 8/19/22

ALPHA Job #: L2244887

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinhill.Marquez@gza.com

Project Information

Project Name: 101 E 160th St RI
Project Location:
Project #: 41.0162961.10
(Use Project name as Project #) ☐
Project Manager: Reinhill Marquez
ALPHAQuote #: 14568

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

Please identify below location of applicable disposal facilities.

Disposal Facility:
☐ NJ ☐ NY
☐ Other:

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCLP VOCs	TPH GRO (8015B)	Cyanide (9012B)	Mercury (7471A)	Hexavalent Chromium (7196A)	Pesticides (8081B)	NY PCB (8082A)	TCLP Metals (6010B)	Mercury (7470A)	Total Metals (6010D)	Total Bottle
44887-50	WC-12 (6')	8/19/22	10:00	Soil		X	X									2
51	WC-12		10:00					X	X	X	X	X	X	X	X	3
52	WC-06 (11')		12:30			X	X									2
53	WC-06		12:30					X	X	X	X	X	X	X	X	3

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: A
Preservative: A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/19/22 15:55		8/19/22 15:55
Paul Mazzella	8/19/22 17:05	Paul Mazzella	8/19/22 17:05
			8/19/22 2220

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

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2244887

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manriquez@gza.com

Project Information
Project Name: 101 E 155th St Bx
Project Location:
Project #: 01.0167951.10
(Use Project name as Project #)
Project Manager: Reinbill Manriquez
ALPHAQuote #: 19508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:
Add to SDG L2244887 Close SDG
*Metals to be analyzed for total Cyanide & Hex Chrom.

Please specify Metals or TAL.

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 1,4-D + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	PCBs 8082	Pesticides 8081	PFAS Compounds 537	PFAS 537.1	1,4-Dioxane 8270	Sample Specific Comments	Total # Bottles
44887-54	SB-11 (1')	8/22/22	9:45	Soil	JB	X									4
-55	SB-11 (1-3')	↓	↓	↓	↓		X	X	X	X	X	X	X		5

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	A	P	G
Preservative		A	A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	15:55 8/22/22		8/22/22 15:55
	8/22/22 1707		8/22/22 17
	8/22/22		8/22/22 2000

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:	L2245374
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	101 E 150ST STREET RI
Project Number:	41.0162951.10
Report Date:	09/19/22

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2245374-01	SB-04 (7')	SOIL	Not Specified	08/22/22 08:50	08/22/22
L2245374-02	SB-04 (4-7')	SOIL	Not Specified	08/22/22 08:50	08/22/22
L2245374-03	SB-04 (9')	SOIL	Not Specified	08/22/22 08:55	08/22/22
L2245374-04	SB-04 (8-10')	SOIL	Not Specified	08/22/22 08:55	08/22/22
L2245374-05	SB-06 (1.5')	SOIL	Not Specified	08/22/22 11:00	08/22/22
L2245374-06	SB-06 (0.5-2.5')	SOIL	Not Specified	08/22/22 11:00	08/22/22
L2245374-07	SB-06 (6')	SOIL	Not Specified	08/22/22 11:05	08/22/22
L2245374-08	SB-06 (3-7')	SOIL	Not Specified	08/22/22 11:05	08/22/22
L2245374-09	SB-06 (8')	SOIL	Not Specified	08/22/22 11:10	08/22/22
L2245374-10	SB-06 (7-9')	SOIL	Not Specified	08/22/22 11:10	08/22/22
L2245374-11	SB-03 (1')	SOIL	Not Specified	08/22/22 13:15	08/22/22
L2245374-12	SB-03 (1-3')	SOIL	Not Specified	08/22/22 13:15	08/22/22
L2245374-13	SB-03 (6')	SOIL	Not Specified	08/22/22 13:20	08/22/22
L2245374-14	SB-03 (4-7')	SOIL	Not Specified	08/22/22 13:20	08/22/22
L2245374-15	SB-03 (7-9')	SOIL	Not Specified	08/22/22 13:25	08/22/22
L2245374-16	SB-03 (8')	SOIL	Not Specified	08/22/22 13:25	08/22/22
L2245374-17	DUP-SOIL-8.22.22	SOIL	Not Specified	08/22/22 00:00	08/22/22
L2245374-18	TRIP BLANK	WATER	Not Specified	08/22/22 00:00	08/22/22
L2245374-19	WC-03 (1')	SOIL	Not Specified	08/22/22 09:05	08/22/22
L2245374-20	WC-03	SOIL	Not Specified	08/22/22 09:05	08/22/22
L2245374-21	WC-07 (2')	SOIL	Not Specified	08/22/22 11:20	08/22/22
L2245374-22	WC-07	SOIL	Not Specified	08/22/22 11:20	08/22/22
L2245374-23	SB-01 (2')	SOIL	Not Specified	08/23/22 09:55	08/23/22
L2245374-24	SB-01 (1-3')	SOIL	Not Specified	08/23/22 09:55	08/23/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2245374-25	SB-01 (20')	SOIL	Not Specified	08/23/22 10:45	08/23/22
L2245374-26	SB-01 (18-20')	SOIL	Not Specified	08/23/22 10:45	08/23/22
L2245374-27	SB-07 (1')	SOIL	Not Specified	08/23/22 13:35	08/23/22
L2245374-28	SB-07 (1-3')	SOIL	Not Specified	08/23/22 13:35	08/23/22
L2245374-29	SB-07 (5')	SOIL	Not Specified	08/23/22 13:40	08/23/22
L2245374-30	SB-07 (4-7')	SOIL	Not Specified	08/23/22 13:40	08/23/22
L2245374-31	SB-07 (9')	SOIL	Not Specified	08/23/22 13:45	08/23/22
L2245374-32	SB-07 (7-9')	SOIL	Not Specified	08/23/22 13:45	08/23/22
L2245374-33	FIELD BLANK_SOIL_8.23.22	WATER	Not Specified	08/23/22 14:30	08/23/22
L2245374-34	TRIP BLANK-8.23.22	WATER	Not Specified	08/23/22 00:00	08/23/22
L2245374-35	WC-15(6')	SOIL	Not Specified	08/23/22 14:00	08/23/22
L2245374-36	WC-15	SOIL	Not Specified	08/23/22 14:00	08/23/22
L2245374-37	SB-02 (1')	SOIL	Not Specified	08/24/22 09:35	08/24/22
L2245374-38	SB-02 (1-3')	SOIL	Not Specified	08/24/22 09:35	08/24/22
L2245374-39	SB-02 (10')	SOIL	Not Specified	08/24/22 10:15	08/24/22
L2245374-40	SB-02 (8-10')	SOIL	Not Specified	08/24/22 10:15	08/24/22
L2245374-41	SB-22 (1')	SOIL	Not Specified	08/24/22 13:30	08/24/22
L2245374-42	SB-22 (1-3')	SOIL	Not Specified	08/24/22 13:30	08/24/22
L2245374-43	SB-22 (5')	SOIL	Not Specified	08/24/22 13:35	08/24/22
L2245374-44	SB-22 (4-7')	SOIL	Not Specified	08/24/22 13:35	08/24/22
L2245374-45	SB-22 (9')	SOIL	Not Specified	08/24/22 13:40	08/24/22
L2245374-46	SB-22 (7-9')	SOIL	Not Specified	08/24/22 13:40	08/24/22
L2245374-47	SB-24 (1')	SOIL	Not Specified	08/24/22 14:00	08/24/22
L2245374-48	SB-24 (1-3')	SOIL	Not Specified	08/24/22 14:00	08/24/22

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative

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

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

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

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

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

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

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374
Project Number: 41.0162951.10 **Report Date:** 09/19/22

Case Narrative (continued)

Report Revision

September 19, 2022: The Client ID was amended on L2245374-40.

Report Submission

September 09, 2022: This final report includes the results of all requested analyses.

September 06, 2022: This is a preliminary report.

September 01, 2022: This is a preliminary report.

August 30, 2022: This is a preliminary report.

August 29, 2022: This is a preliminary report.

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

Sample Receipt

L2245374-01 through -10: The sample collection date was changed at the client's request.

L2245374-18 and -34: Headspace was noted in the Trip Blank containers submitted for TCL Volatiles - EPA 8260C. The analysis was performed at the client's request.

Volatile Organics

L2245374-01: The surrogate recovery is below the acceptance criteria for dibromofluoromethane (60%), possibly due to the matrix effect caused by the high pH of the sample (>10).

L2245374-17: 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.

Semivolatile Organics

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative (continued)

L2245374-02: The surrogate recoveries were outside the acceptance criteria for 2-fluorophenol (1%), phenol-d6 (5%), nitrobenzene-d5 (17%), 2-fluorobiphenyl (27%), and 2,4,6-tribromophenol (0%); however, re-extraction achieved a similar result: 2,4,6-tribromophenol (8%). The results of both extractions are reported.
The WG1679938-1 Method Blank, associated with L2245374-04, -06, -08, -10, -12, -14, -15, and -17, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.
The WG1680454-1 Method Blank, associated with L2245374-33, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.
The WG1681170-1 Method Blank, associated with L2245374-38, -40, -42, -44, -46, and -48, has a TIC detected. The results are qualified with a "B" for any associated samples that have detections of the same TIC.
The WG1679938-2/-3 LCS/LCSD recoveries, associated with L2245374-04, -06, -08, -08D, -10, -12, -14, -15, and -17, are below the acceptance criteria for 2,4-dinitrophenol (LCSD 0%), 4,6-dinitro-o-cresol (LCSD 6%), and benzoic acid (4%/5%); however, these have been identified as a "difficult" analytes. The results of the associated samples are reported.
The WG1680454-2/-3 LCS/LCSD recoveries, associated with L2245374-33, 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.
The WG1680504-2/-3 LCS/LCSD recoveries, associated with L2245374-24, -26, -28, -30, and -32, 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.
The WG1681170-2/-3 LCS/LCSD recoveries, associated with L2245374-38, -40, -42, -44, -46, and -48, 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.
The WG1679938-4/-5 MS/MSD recoveries, performed on L2245374-10, 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.

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative (continued)

Perfluorinated Alkyl Acids by Isotope Dilution

L2245374-04, -10, -24, -26, -28, -38, -40, -44, -46, -46RE, -48, WG1679228-1, WG1679758-1, WG1684377-1, WG1679228-2, WG1679758-2, WG1684377-2, WG1679228-3/-4, and WG1679758-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2245374-15: The MeOH fraction of the extraction is reported for perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

L2245374-46: The Extracted Internal Standard recovery was less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%); however, re-extraction at a lower volume achieved a similar result. The results of the re-extraction are reported for the associated target compounds.

WG1684377-1 and WG1684377-2: The sample was re-analyzed due to QC failures in the original analysis. The results of the re-analysis are reported.

The WG1679228-1 Method Blank, associated with L2245374-04, -06, -10, -12, -15, -17, -24, -26, -28, and -32, has concentrations above the reporting limits for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa). Since the associated sample concentrations are non-detect to the reporting limit, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

The Extracted Internal Standard recovery for the WG1679228-1 Method Blank, associated with L2245374-04, -06, -10, -12, -15, -17, -24, -26, -28, and -32, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.

The WG1679728-1 Method Blank, associated with L2245374-33, has a concentration above the reporting limit for 1h,1h,2h,2h-perfluorooctanesulfonic acid (6:2fts). Since the associated sample concentration is non-detect to the reporting limit, no corrective action is required. The result is qualified with a "B".

The Extracted Internal Standard recovery for the WG1684377-1 Method Blank, associated with L2245374-46RE, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 5%); however, the associated sample is non-detect to the RL for all associated target analytes; therefore, no further action

Case Narrative (continued)

was taken.
The Extracted Internal Standard recovery for the WG1679228-2 LCS, associated with L2245374-04, -06, -10, -12, -15, -17, -24, -26, -28, and -32, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (9%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.
The Extracted Internal Standard recovery for the WG1684377-2 LCS, associated with L2245374-46RE, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (8%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.
The WG1679228-3/-4 MS/MSD recoveries, performed on L2245374-10, are outside the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (MSD 141%) and perfluorotetradecanoic acid (pfta) (MS 144%).
The WG1679228-3/-4 MS/MSD RPDs, performed on L2245374-10, are outside the acceptance criteria for n-methyl perfluorooctanesulfonamidoacetic acid (nmefosaa) (44%) and perfluorotetradecanoic acid (pfta) (31%).

NJ EPH (Total)
WG1680345: The Matrix Spike and Laboratory Duplicate required fractionation; therefore, the results are not reported for this analysis.

Pesticides
The WG1680448-1 Method Blank, associated with L2245374-04, -06, -10, -12, -15, and -17, has concentrations above the reporting limits for alpha-BHC, heptachlor, aldrin, heptachlor epoxide, 4,4'-ddt, cis-chlordane, trans-chlordane, delta-bhc, lindane, beta-bhc, endrin, endrin aldehyde, endrin ketone, dieldrin, 4,4'-dde, 4,4'-ddd, endosulfan I, endosulfan II, endosulfan sulfate, and methoxychlor. Since the associated sample concentrations are non-detect to the RL, no corrective action is required.

Total Metals
L2245374-02, -04, -06, -08, -10, -12, -14, -15, -17, -24, -26, -28, -30, -32 -38, -40, -42, -44, -46, and

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative (continued)

-48: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
L2245374-33: The Field Blank has a result for aluminum 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 WG1678500-3 MS recoveries for aluminum (610%/756%), iron (450%/881%), and manganese (MS 126%), performed on L2245374-10, do not apply because the sample concentrations are greater than four times the spike amounts added.
The WG1678500-6 serial dilution analysis, associated with L2245374-10, had a %D above the acceptance criteria for aluminum (21%), barium (22%), iron (22%), magnesium (22%), and manganese (22%).

Cyanide, Total
The WG1679158-2 LCS recovery for cyanide, total (64%), associated with L2245374-24, -26, -28, -30, -32, and -36, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (36%).
The WG1679159-2 LCS recovery for cyanide, total (64%), associated with L2245374-20, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported. The LCS/LCSD RPD is above the acceptance criteria for cyanide, total (36%).
The WG1679357-2/-3 LCS/LCSD recoveries for cyanide, total (72%/76%), associated with L2245374-02, -04, and -17, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.
The WG1680625-2 LCS recovery for cyanide, total (67%), associated with L2245374-38, -40, -42, -44, -46, and -48, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/19/22

ORGANICS

VOLATILES

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-01
Client ID: SB-04 (7')
Sample Location: Not Specified
Date Collected: 08/22/22 08:50
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 14:45
Analyst: AJK
Percent Solids: 95%

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	0.31	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	3.5	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	3.5	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	ND		ug/kg	1.3	0.12	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-01 Date Collected: 08/22/22 08:50

Client ID: SB-04 (7') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.37	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	0.86	0.25	1
Xylenes, Total	ND		ug/kg	0.86	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	ND		ug/kg	0.86	0.12	1
Dibromomethane	ND		ug/kg	1.7	0.20	1
Styrene	ND		ug/kg	0.86	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.6	0.79	1
Acetone	27		ug/kg	8.6	4.2	1
Carbon disulfide	ND		ug/kg	8.6	3.9	1
2-Butanone	2.1	J	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-01 Date Collected: 08/22/22 08:50

Client ID: SB-04 (7') Date Received: 08/22/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	**60**	Q	70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-03
Client ID: SB-04 (9')
Sample Location: Not Specified
Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 15:12
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	5.0	2.3	1
1,1-Dichloroethane	0.23	J	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	0.26	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	0.69	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	0.49	J	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-03 Date Collected: 08/22/22 08:55

Client ID: SB-04 (9') Date Received: 08/22/22

Sample Location: Not Specified 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	0.50	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	0.93	J	ug/kg	1.0	0.17	1
1,2-Dichloroethene, Total	0.93	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	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	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	0.20	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	0.14	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	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	1.1	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-03 Date Collected: 08/22/22 08:55

Client ID: SB-04 (9') Date Received: 08/22/22

Sample Location: Not Specified 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	0.33	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	0.38	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	5.0	1.4	1

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

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-05
Client ID: SB-06 (1.5')
Sample Location: Not Specified
Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 15:39
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	4.3	2.0	1
1,1-Dichloroethane	3.1		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	0.26	J	ug/kg	0.43	0.17	1
Chlorobenzene	ND		ug/kg	0.43	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.4	0.59	1
1,2-Dichloroethane	ND		ug/kg	0.86	0.22	1
1,1,1-Trichloroethane	10		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	0.46	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	0.40	J	ug/kg	0.86	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-05 Date Collected: 08/22/22 11:00

Client ID: SB-06 (1.5') Date Received: 08/22/22

Sample Location: Not Specified 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	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	0.51	J	ug/kg	0.86	0.15	1
1,2-Dichloroethene, Total	0.51	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	0.78	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	0.85	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	0.98	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-05 Date Collected: 08/22/22 11:00

Client ID: SB-06 (1.5') Date Received: 08/22/22

Sample Location: Not Specified 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	0.16	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.28	1
1,4-Dioxane	ND		ug/kg	68	30.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.3	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-07
Client ID: SB-06 (6')
Sample Location: Not Specified

Date Collected: 08/22/22 11:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 20:52
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	120	1
1,1-Dichloroethane	58		ug/kg	51	7.4	1
Chloroform	ND		ug/kg	76	7.1	1
Carbon tetrachloride	ND		ug/kg	51	12.	1
1,2-Dichloropropane	ND		ug/kg	51	6.4	1
Dibromochloromethane	ND		ug/kg	51	7.1	1
1,1,2-Trichloroethane	ND		ug/kg	51	14.	1
Tetrachloroethene	330		ug/kg	25	10.	1
Chlorobenzene	ND		ug/kg	25	6.5	1
Trichlorofluoromethane	ND		ug/kg	200	35.	1
1,2-Dichloroethane	ND		ug/kg	51	13.	1
1,1,1-Trichloroethane	450		ug/kg	25	8.5	1
Bromodichloromethane	ND		ug/kg	25	5.6	1
trans-1,3-Dichloropropene	ND		ug/kg	51	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	8.0	1
1,3-Dichloropropene, Total	ND		ug/kg	25	8.0	1
1,1-Dichloropropene	ND		ug/kg	25	8.1	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.5	1
Benzene	ND		ug/kg	25	8.5	1
Toluene	ND		ug/kg	51	28.	1
Ethylbenzene	8.0	J	ug/kg	51	7.2	1
Chloromethane	ND		ug/kg	200	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	51	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	51	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	76	7.0	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-07 Date Collected: 08/22/22 11:05

Client ID: SB-06 (6') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	3800		ug/kg	25	7.0	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.3	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.5	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.7	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	46	J	ug/kg	100	28.	1
o-Xylene	31	J	ug/kg	51	15.	1
Xylenes, Total	77	J	ug/kg	51	15.	1
cis-1,2-Dichloroethene	240		ug/kg	51	8.9	1
1,2-Dichloroethene, Total	240		ug/kg	51	7.0	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	51	10.	1
Dichlorodifluoromethane	ND		ug/kg	510	47.	1
Acetone	ND		ug/kg	510	240	1
Carbon disulfide	ND		ug/kg	510	230	1
2-Butanone	ND		ug/kg	510	110	1
Vinyl acetate	ND		ug/kg	510	110	1
4-Methyl-2-pentanone	ND		ug/kg	510	65.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.5	1
2-Hexanone	ND		ug/kg	510	60.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	51	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.7	1
Bromobenzene	ND		ug/kg	100	7.4	1
n-Butylbenzene	ND		ug/kg	51	8.5	1
sec-Butylbenzene	ND		ug/kg	51	7.4	1
tert-Butylbenzene	ND		ug/kg	100	6.0	1
o-Chlorotoluene	ND		ug/kg	100	9.7	1
p-Chlorotoluene	ND		ug/kg	100	5.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	51.	1
Hexachlorobutadiene	ND		ug/kg	200	8.6	1
Isopropylbenzene	ND		ug/kg	51	5.6	1
p-Isopropyltoluene	ND		ug/kg	51	5.6	1
Naphthalene	540		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	59.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-07 Date Collected: 08/22/22 11:05

Client ID: SB-06 (6') Date Received: 08/22/22

Sample Location: Not Specified 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	51	8.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.8	1
1,2,4-Trimethylbenzene	35	J	ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4100	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.0	1
p-Ethyltoluene	50	J	ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.7	1
Ethyl ether	ND		ug/kg	100	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	72.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	88		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-09
Client ID: SB-06 (8')
Sample Location: Not Specified
Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 18:40
Analyst: JC
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	2.1	1
1,1-Dichloroethane	ND		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.63	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	0.49	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-09 Date Collected: 08/22/22 11:10

Client ID: SB-06 (8') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.97		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	ND		ug/kg	1.8	0.51	1
o-Xylene	ND		ug/kg	0.91	0.26	1
Xylenes, Total	ND		ug/kg	0.91	0.26	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.91	0.12	1
Dibromomethane	ND		ug/kg	1.8	0.22	1
Styrene	ND		ug/kg	0.91	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.1	0.83	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-09 Date Collected: 08/22/22 11:10

Client ID: SB-06 (8') Date Received: 08/22/22

Sample Location: Not Specified 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	84		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-11
Client ID: SB-03 (1')
Sample Location: Not Specified
Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 19:07
Analyst: JC
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	2.0		ug/kg	0.91	0.13	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.91	0.21	1
1,2-Dichloropropane	ND		ug/kg	0.91	0.11	1
Dibromochloromethane	ND		ug/kg	0.91	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	0.24	1
Tetrachloroethene	ND		ug/kg	0.46	0.18	1
Chlorobenzene	ND		ug/kg	0.46	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.6	0.64	1
1,2-Dichloroethane	ND		ug/kg	0.91	0.23	1
1,1,1-Trichloroethane	4.8		ug/kg	0.46	0.15	1
Bromodichloromethane	ND		ug/kg	0.46	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	0.25	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.46	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.46	0.14	1
Bromoform	ND		ug/kg	3.6	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	0.15	1
Benzene	ND		ug/kg	0.46	0.15	1
Toluene	ND		ug/kg	0.91	0.50	1
Ethylbenzene	ND		ug/kg	0.91	0.13	1
Chloromethane	ND		ug/kg	3.6	0.85	1
Bromomethane	ND		ug/kg	1.8	0.53	1
Vinyl chloride	ND		ug/kg	0.91	0.31	1
Chloroethane	ND		ug/kg	1.8	0.41	1
1,1-Dichloroethene	0.60	J	ug/kg	0.91	0.22	1
trans-1,2-Dichloroethene	0.18	J	ug/kg	1.4	0.12	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-11 Date Collected: 08/22/22 13:15
Client ID: SB-03 (1') Date Received: 08/22/22
Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	35		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	0.27	1
Xylenes, Total	ND		ug/kg	0.91	0.27	1
cis-1,2-Dichloroethene	12		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	12	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	0.84	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	0.26	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	0.91	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-11 Date Collected: 08/22/22 13:15

Client ID: SB-03 (1') Date Received: 08/22/22

Sample Location: Not Specified 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	84		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-13
Client ID: SB-03 (6')
Sample Location: Not Specified

Date Collected: 08/22/22 13:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 21:19
Analyst: JC
Percent Solids: 87%

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	140		ug/kg	49	7.1	1
Chloroform	ND		ug/kg	74	6.9	1
Carbon tetrachloride	ND		ug/kg	49	11.	1
1,2-Dichloropropane	ND		ug/kg	49	6.1	1
Dibromochloromethane	ND		ug/kg	49	6.9	1
1,1,2-Trichloroethane	ND		ug/kg	49	13.	1
Tetrachloroethene	26		ug/kg	24	9.6	1
Chlorobenzene	ND		ug/kg	24	6.2	1
Trichlorofluoromethane	ND		ug/kg	200	34.	1
1,2-Dichloroethane	ND		ug/kg	49	12.	1
1,1,1-Trichloroethane	370		ug/kg	24	8.2	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	200	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	27.	1
Ethylbenzene	7.5	J	ug/kg	49	6.9	1
Chloromethane	ND		ug/kg	200	46.	1
Bromomethane	ND		ug/kg	98	28.	1
Vinyl chloride	ND		ug/kg	49	16.	1
Chloroethane	ND		ug/kg	98	22.	1
1,1-Dichloroethene	46	J	ug/kg	49	12.	1
trans-1,2-Dichloroethene	9.6	J	ug/kg	74	6.7	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-13 Date Collected: 08/22/22 13:20

Client ID: SB-03 (6') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	4800		ug/kg	24	6.7	1
1,2-Dichlorobenzene	ND		ug/kg	98	7.0	1
1,3-Dichlorobenzene	ND		ug/kg	98	7.2	1
1,4-Dichlorobenzene	ND		ug/kg	98	8.4	1
Methyl tert butyl ether	ND		ug/kg	98	9.8	1
p/m-Xylene	41	J	ug/kg	98	27.	1
o-Xylene	ND		ug/kg	49	14.	1
Xylenes, Total	41	J	ug/kg	49	14.	1
cis-1,2-Dichloroethene	610		ug/kg	49	8.6	1
1,2-Dichloroethene, Total	620	J	ug/kg	49	6.7	1
Dibromomethane	ND		ug/kg	98	12.	1
Styrene	ND		ug/kg	49	9.6	1
Dichlorodifluoromethane	ND		ug/kg	490	45.	1
Acetone	ND		ug/kg	490	240	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	63.	1
1,2,3-Trichloropropane	ND		ug/kg	98	6.2	1
2-Hexanone	ND		ug/kg	490	58.	1
Bromochloromethane	ND		ug/kg	98	10.	1
2,2-Dichloropropane	ND		ug/kg	98	9.9	1
1,2-Dibromoethane	ND		ug/kg	49	14.	1
1,3-Dichloropropane	ND		ug/kg	98	8.2	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	24	6.5	1
Bromobenzene	ND		ug/kg	98	7.1	1
n-Butylbenzene	ND		ug/kg	49	8.2	1
sec-Butylbenzene	ND		ug/kg	49	7.2	1
tert-Butylbenzene	ND		ug/kg	98	5.8	1
o-Chlorotoluene	ND		ug/kg	98	9.4	1
p-Chlorotoluene	ND		ug/kg	98	5.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	49.	1
Hexachlorobutadiene	ND		ug/kg	200	8.3	1
Isopropylbenzene	ND		ug/kg	49	5.3	1
p-Isopropyltoluene	ND		ug/kg	49	5.3	1
Naphthalene	ND		ug/kg	200	32.	1
Acrylonitrile	ND		ug/kg	200	56.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-13 Date Collected: 08/22/22 13:20

Client ID: SB-03 (6') Date Received: 08/22/22

Sample Location: Not Specified 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	8.4	1
1,2,3-Trichlorobenzene	ND		ug/kg	98	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	98	13.	1
1,3,5-Trimethylbenzene	ND		ug/kg	98	9.5	1
1,2,4-Trimethylbenzene	ND		ug/kg	98	16.	1
1,4-Dioxane	ND		ug/kg	3900	1700	1
p-Diethylbenzene	ND		ug/kg	98	8.7	1
p-Ethyltoluene	19	J	ug/kg	98	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	98	9.4	1
Ethyl ether	ND		ug/kg	98	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	240	70.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-16
Client ID: SB-03 (8')
Sample Location: Not Specified
Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 19:33
Analyst: JC
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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-16 Date Collected: 08/22/22 13:25

Client ID: SB-03 (8') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	1.5		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	0.51	J	ug/kg	0.87	0.15	1
1,2-Dichloroethene, Total	0.51	J	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-16 Date Collected: 08/22/22 13:25

Client ID: SB-03 (8') Date Received: 08/22/22

Sample Location: Not Specified 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	84		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 20:00
Analyst: JC
Percent Solids: 91%

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	3.4		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	ND		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	9.9		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	0.34	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	0.95	J	ug/kg	1.2	0.29	1
trans-1,2-Dichloroethene	0.32	J	ug/kg	1.8	0.17	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	72		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	22		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	22	J	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	86		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/28/22 20:26
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	270	120	1
1,1-Dichloroethane	50	J	ug/kg	54	7.8	1
Chloroform	ND		ug/kg	81	7.5	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.7	1
Dibromochloromethane	ND		ug/kg	54	7.5	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	10.	1
Chlorobenzene	ND		ug/kg	27	6.8	1
Trichlorofluoromethane	ND		ug/kg	220	37.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	160		ug/kg	27	9.0	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.5	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.5	1
1,1-Dichloropropene	ND		ug/kg	27	8.6	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	8.9	1
Benzene	ND		ug/kg	27	8.9	1
Toluene	ND		ug/kg	54	29.	1
Ethylbenzene	ND		ug/kg	54	7.6	1
Chloromethane	ND		ug/kg	220	50.	1
Bromomethane	ND		ug/kg	110	31.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	24.	1
1,1-Dichloroethene	ND		ug/kg	54	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	81	7.4	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1800		ug/kg	27	7.4	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.0	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.2	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	ND		ug/kg	110	30.	1
o-Xylene	ND		ug/kg	54	16.	1
Xylenes, Total	ND		ug/kg	54	16.	1
cis-1,2-Dichloroethene	230		ug/kg	54	9.4	1
1,2-Dichloroethene, Total	230		ug/kg	54	7.4	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	54	10.	1
Dichlorodifluoromethane	ND		ug/kg	540	49.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	240	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	69.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.8	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.0	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.1	1
Bromobenzene	ND		ug/kg	110	7.8	1
n-Butylbenzene	ND		ug/kg	54	9.0	1
sec-Butylbenzene	ND		ug/kg	54	7.9	1
tert-Butylbenzene	ND		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.8	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.1	1
Isopropylbenzene	ND		ug/kg	54	5.9	1
p-Isopropyltoluene	ND		ug/kg	54	5.9	1
Naphthalene	ND		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	62.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	54	9.2	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	ND		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4300	1900	1
p-Diethylbenzene	ND		ug/kg	110	9.5	1
p-Ethyltoluene	ND		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	76.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	87		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-18
Client ID: TRIP BLANK
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/23/22 10:26
Analyst: PD

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-18 Date Collected: 08/22/22 00:00

Client ID: TRIP BLANK Date Received: 08/22/22

Sample Location: Not Specified 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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-18 Date Collected: 08/22/22 00:00

Client ID: TRIP BLANK Date Received: 08/22/22

Sample Location: Not Specified 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	92		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-19
Client ID: WC-03 (1')
Sample Location: Not Specified
Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:25
Analyst: AJK
Percent Solids: 92%
TCLP/SPLP Ext. Date: 08/28/22 13:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	110		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-21
Client ID: WC-07 (2')
Sample Location: Not Specified
Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:48
Analyst: AJK
Percent Solids: 85%
TCLP/SPLP Ext. Date: 08/28/22 13:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	2.9	J	ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	109		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-23
Client ID: SB-01 (2')
Sample Location: Not Specified
Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:44
Analyst: NLK
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.9	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	ND		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-23 Date Collected: 08/23/22 09:55

Client ID: SB-01 (2') Date Received: 08/23/22

Sample Location: Not Specified 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	0.13	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	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	0.98	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-23 Date Collected: 08/23/22 09:55

Client ID: SB-01 (2') Date Received: 08/23/22

Sample Location: Not Specified 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	99		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-25
Client ID: SB-01 (20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 23:10
Analyst: NLK
Percent Solids: 93%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.2	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	4.2	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-25 Date Collected: 08/23/22 10:45

Client ID: SB-01 (20') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.60	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	0.14	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-25 Date Collected: 08/23/22 10:45

Client ID: SB-01 (20') Date Received: 08/23/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-27
Client ID: SB-07 (1')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/24/22 23:36
Analyst: NLK
Percent Solids: 95%

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	ND		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-27 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1') Date Received: 08/23/22

Sample Location: Not Specified 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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-27 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1') Date Received: 08/23/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-29
Client ID: SB-07 (5')
Sample Location: Not Specified

Date Collected: 08/23/22 13:40
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 00:02
Analyst: NLK
Percent Solids: 97%

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-29 Date Collected: 08/23/22 13:40

Client ID: SB-07 (5') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.47	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.94	0.27	1
Xylenes, Total	ND		ug/kg	0.94	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.94	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.94	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.94	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.4	0.86	1
Acetone	ND		ug/kg	9.4	4.5	1
Carbon disulfide	ND		ug/kg	9.4	4.3	1
2-Butanone	ND		ug/kg	9.4	2.1	1
Vinyl acetate	ND		ug/kg	9.4	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.4	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.4	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.94	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.47	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.94	0.16	1
sec-Butylbenzene	ND		ug/kg	0.94	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.94	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.94	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.94	0.10	1
Naphthalene	ND		ug/kg	3.8	0.61	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-29 Date Collected: 08/23/22 13:40

Client ID: SB-07 (5') Date Received: 08/23/22

Sample Location: Not Specified 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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-31
Client ID: SB-07 (9')
Sample Location: Not Specified
Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/25/22 00:28
Analyst: NLK
Percent Solids: 94%

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	ND		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-31 Date Collected: 08/23/22 13:45

Client ID: SB-07 (9') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.42	0.12	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-31 Date Collected: 08/23/22 13:45

Client ID: SB-07 (9') Date Received: 08/23/22

Sample Location: Not Specified 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	29.	1
p-Diethylbenzene	ND		ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.32	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.7	0.16	1
Ethyl ether	ND		ug/kg	1.7	0.29	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.2	1.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/24/22 11:12
Analyst: PD

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	2.0	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	99		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-34
Client ID: TRIP BLANK-8.23.22
Sample Location: Not Specified
Date Collected: 08/23/22 00:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/24/22 11:35
Analyst: PD

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-34 Date Collected: 08/23/22 00:00

Client ID: TRIP BLANK-8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-34 Date Collected: 08/23/22 00:00

Client ID: TRIP BLANK-8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	97		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-35
Client ID: WC-15(6')
Sample Location: Not Specified
Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 05:57
Analyst: MM
Percent Solids: 96%
TCLP/SPLP Ext. Date: 08/31/22 11:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	113		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-37
Client ID: SB-02 (1')
Sample Location: Not Specified
Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 17:21
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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-37 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.46	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.13	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.52	1
o-Xylene	ND		ug/kg	0.93	0.27	1
Xylenes, Total	ND		ug/kg	0.93	0.27	1
cis-1,2-Dichloroethene	ND		ug/kg	0.93	0.16	1
1,2-Dichloroethene, Total	ND		ug/kg	0.93	0.13	1
Dibromomethane	ND		ug/kg	1.9	0.22	1
Styrene	ND		ug/kg	0.93	0.18	1
Dichlorodifluoromethane	ND		ug/kg	9.3	0.85	1
Acetone	ND		ug/kg	9.3	4.5	1
Carbon disulfide	ND		ug/kg	9.3	4.2	1
2-Butanone	ND		ug/kg	9.3	2.1	1
Vinyl acetate	ND		ug/kg	9.3	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.3	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.3	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.93	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.46	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.93	0.16	1
sec-Butylbenzene	ND		ug/kg	0.93	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.93	1
Hexachlorobutadiene	ND		ug/kg	3.7	0.16	1
Isopropylbenzene	ND		ug/kg	0.93	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.93	0.10	1
Naphthalene	ND		ug/kg	3.7	0.60	1
Acrylonitrile	ND		ug/kg	3.7	1.1	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-37 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	105		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-39
Client ID: SB-02 (10')
Sample Location: Not Specified
Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 17:48
Analyst: AJK
Percent Solids: 67%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.4	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	ND		ug/kg	2.2	0.21	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.21	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.74	0.29	1
Chlorobenzene	ND		ug/kg	0.74	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.74	0.25	1
Bromodichloromethane	ND		ug/kg	0.74	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.74	0.23	1
1,3-Dichloropropene, Total	ND		ug/kg	0.74	0.23	1
1,1-Dichloropropene	ND		ug/kg	0.74	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.74	0.24	1
Benzene	ND		ug/kg	0.74	0.24	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.86	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.67	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-39 Date Collected: 08/24/22 10:15

Client ID: SB-02 (10') Date Received: 08/24/22

Sample Location: Not Specified 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	0.74	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.30	1
p/m-Xylene	ND		ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
Xylenes, Total	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
1,2-Dichloroethene, Total	ND		ug/kg	1.5	0.20	1
Dibromomethane	ND		ug/kg	2.9	0.35	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	27		ug/kg	15	7.1	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	ND		ug/kg	15	3.3	1
Vinyl acetate	ND		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
1,2,3-Trichloropropane	ND		ug/kg	2.9	0.19	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
2,2-Dichloropropane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,3-Dichloropropane	ND		ug/kg	2.9	0.25	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.74	0.19	1
Bromobenzene	ND		ug/kg	2.9	0.21	1
n-Butylbenzene	ND		ug/kg	1.5	0.25	1
sec-Butylbenzene	ND		ug/kg	1.5	0.22	1
tert-Butylbenzene	ND		ug/kg	2.9	0.17	1
o-Chlorotoluene	ND		ug/kg	2.9	0.28	1
p-Chlorotoluene	ND		ug/kg	2.9	0.16	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Hexachlorobutadiene	ND		ug/kg	5.9	0.25	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
p-Isopropyltoluene	ND		ug/kg	1.5	0.16	1
Naphthalene	ND		ug/kg	5.9	0.96	1
Acrylonitrile	ND		ug/kg	5.9	1.7	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-39 Date Collected: 08/24/22 10:15

Client ID: SB-02 (10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.5	0.25	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.9	0.28	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.9	0.49	1
1,4-Dioxane	ND		ug/kg	120	52.	1
p-Diethylbenzene	ND		ug/kg	2.9	0.26	1
p-Ethyltoluene	ND		ug/kg	2.9	0.57	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.9	0.28	1
Ethyl ether	ND		ug/kg	2.9	0.50	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	7.4	2.1	1

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

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-41
Client ID: SB-22 (1')
Sample Location: Not Specified
Date Collected: 08/24/22 13:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 18:14
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	5.9	2.7	1
1,1-Dichloroethane	1.6		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	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	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	0.85		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	7.4		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	0.97	J	ug/kg	1.8	0.16	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-41 Date Collected: 08/24/22 13:30

Client ID: SB-22 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	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	24		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	25	J	ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	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	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	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	2.4	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	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	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	4.8	0.77	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-41 Date Collected: 08/24/22 13:30

Client ID: SB-22 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-43
Client ID: SB-22 (5')
Sample Location: Not Specified
Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 18:41
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	4.6	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	4.3		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	1.9		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-43 Date Collected: 08/24/22 13:35

Client ID: SB-22 (5') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	6.3		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	4.4		ug/kg	0.91	0.16	1
1,2-Dichloroethene, Total	4.4		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-43 Date Collected: 08/24/22 13:35

Client ID: SB-22 (5') Date Received: 08/24/22

Sample Location: Not Specified 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	108		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-45
Client ID: SB-22 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 19:34
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	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	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	0.18	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	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-45 Date Collected: 08/24/22 13:40

Client ID: SB-22 (9') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.60		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	0.62	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	0.58	J	ug/kg	1.1	0.19	1
1,2-Dichloroethene, Total	0.58	J	ug/kg	1.1	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	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	0.31	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	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-45 Date Collected: 08/24/22 13:40

Client ID: SB-22 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	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	0.38	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	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-47
Client ID: SB-24 (1')
Sample Location: Not Specified
Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 20:01
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	4.9	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	ND		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	2.5		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-47 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	0.13	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	0.89	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-47 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	0.32	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	0.37	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	103		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	102		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1678826-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1678826-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/23/22 09:39
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 18 Batch: WG1678826-5					
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	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 33-34 Batch: WG1679344-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 33-34 Batch: WG1679344-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 08:52
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 33-34 Batch: WG1679344-5					
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	93		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,29,31 Batch: WG1679699-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,29,31 Batch: WG1679699-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/24/22 22:18
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,29,31 Batch: WG1679699-5					
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	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 09:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1679853-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 09:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1679853-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 09:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1679853-5					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/25/22 09:26
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,05 Batch: WG1679853-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	85		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07,13,17 Batch: WG1680838-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07,13,17 Batch: WG1680838-5					
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	28	J	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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 07,13,17 Batch: WG1680838-5					
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	80		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09,11,16-17 Batch: WG1680841-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09,11,16-17 Batch: WG1680841-5					
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	0.56	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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/28/22 16:55
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 09,11,16-17 Batch: WG1680841-5					
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	80		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	91		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:41
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1680864-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:41
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1680864-5					
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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:41
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 37,39,41,43,45,47 Batch: WG1680864-5					
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	100		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 10:39
Analyst: AJK
TCLP/SPLP Extraction Date: 08/28/22 13:16

Extraction Date: 08/28/22 13:16

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 19,21 Batch: WG1680941-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	111		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/22 05:08
Analyst: MM
TCLP/SPLP Extraction Date: 08/31/22 11:35
Extraction Date: 08/31/22 11:35

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 35 Batch: WG1682493-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	106		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1678826-3 WG1678826-4								
Methylene chloride	100		100		70-130	0		20
1,1-Dichloroethane	99		100		70-130	1		20
Chloroform	95		96		70-130	1		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	96		97		70-130	1		20
Dibromochloromethane	99		100		63-130	1		20
1,1,2-Trichloroethane	97		100		70-130	3		20
Tetrachloroethene	110		110		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	100		100		62-150	0		20
1,2-Dichloroethane	90		91		70-130	1		20
1,1,1-Trichloroethane	100		100		67-130	0		20
Bromodichloromethane	94		96		67-130	2		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	97		98		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	96		100		67-130	4		20
Benzene	100		100		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	**59**	Q	**60**	Q	64-130	2		20
Bromomethane	64		67		39-139	5		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1678826-3 WG1678826-4								
Vinyl chloride	100		100		55-140	0		20
Chloroethane	110		110		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		110		70-130	0		20
1,2-Dichlorobenzene	99		100		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	92		94		63-130	2		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	98		99		70-130	1		20
1,2,3-Trichloropropane	92		97		64-130	5		20
Acrylonitrile	82		84		70-130	2		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	88		90		36-147	2		20
Acetone	88		75		58-148	16		20
Carbon disulfide	100		100		51-130	0		20
2-Butanone	65		70		63-138	7		20
Vinyl acetate	87		90		70-130	3		20
4-Methyl-2-pentanone	80		88		59-130	10		20
2-Hexanone	80		82		57-130	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1678826-3 WG1678826-4								
Bromochloromethane	110		110		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	97		99		70-130	2		20
1,1,1,2-Tetrachloroethane	100		100		64-130	0		20
Bromobenzene	100		100		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	99		100		70-130	1		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	85		94		41-144	10		20
Hexachlorobutadiene	98		100		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	100		100		70-130	0		20
Naphthalene	72		89		70-130	**21**	Q	20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	75		92		70-130	20		20
1,2,4-Trichlorobenzene	88		100		70-130	13		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		100		56-162	4		20
p-Diethylbenzene	100		100		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 18 Batch: WG1678826-3 WG1678826-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	95		98		70-130	3		20
Ethyl ether	94		97		59-134	3		20
trans-1,4-Dichloro-2-butene	95		100		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		89		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	98		98		70-130
Dibromofluoromethane	98		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 33-34 Batch: WG1679344-3 WG1679344-4								
Methylene chloride	94		96		70-130	2		20
1,1-Dichloroethane	95		98		70-130	3		20
Chloroform	93		98		70-130	5		20
Carbon tetrachloride	86		89		63-132	3		20
1,2-Dichloropropane	94		97		70-130	3		20
Dibromochloromethane	92		96		63-130	4		20
1,1,2-Trichloroethane	94		97		70-130	3		20
Tetrachloroethene	92		97		70-130	5		20
Chlorobenzene	97		99		75-130	2		20
Trichlorofluoromethane	93		93		62-150	0		20
1,2-Dichloroethane	88		94		70-130	7		20
1,1,1-Trichloroethane	90		94		67-130	4		20
Bromodichloromethane	92		98		67-130	6		20
trans-1,3-Dichloropropene	99		100		70-130	1		20
cis-1,3-Dichloropropene	97		100		70-130	3		20
1,1-Dichloropropene	89		93		70-130	4		20
Bromoform	83		86		54-136	4		20
1,1,2,2-Tetrachloroethane	84		89		67-130	6		20
Benzene	94		98		70-130	4		20
Toluene	97		100		70-130	3		20
Ethylbenzene	97		98		70-130	1		20
Chloromethane	91		93		64-130	2		20
Bromomethane	95		93		39-139	2		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 33-34 Batch: WG1679344-3 WG1679344-4								
Vinyl chloride	95		95		55-140	0		20
Chloroethane	100		99		55-138	1		20
1,1-Dichloroethene	93		91		61-145	2		20
trans-1,2-Dichloroethene	95		97		70-130	2		20
Trichloroethene	85		88		70-130	3		20
1,2-Dichlorobenzene	94		96		70-130	2		20
1,3-Dichlorobenzene	97		98		70-130	1		20
1,4-Dichlorobenzene	94		96		70-130	2		20
Methyl tert butyl ether	84		91		63-130	8		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	96		100		70-130	4		20
Dibromomethane	89		94		70-130	5		20
1,2,3-Trichloropropane	84		89		64-130	6		20
Acrylonitrile	79		85		70-130	7		20
Styrene	95		100		70-130	5		20
Dichlorodifluoromethane	90		92		36-147	2		20
Acetone	68		72		58-148	6		20
Carbon disulfide	95		96		51-130	1		20
2-Butanone	75		83		63-138	10		20
Vinyl acetate	77		83		70-130	8		20
4-Methyl-2-pentanone	80		89		59-130	11		20
2-Hexanone	76		82		57-130	8		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 33-34 Batch: WG1679344-3 WG1679344-4								
Bromochloromethane	93		98		70-130	5		20
2,2-Dichloropropane	95		97		63-133	2		20
1,2-Dibromoethane	94		100		70-130	6		20
1,3-Dichloropropane	97		100		70-130	3		20
1,1,1,2-Tetrachloroethane	95		100		64-130	5		20
Bromobenzene	96		99		70-130	3		20
n-Butylbenzene	100		99		53-136	1		20
sec-Butylbenzene	98		98		70-130	0		20
tert-Butylbenzene	96		98		70-130	2		20
o-Chlorotoluene	100		100		70-130	0		20
p-Chlorotoluene	98		100		70-130	2		20
1,2-Dibromo-3-chloropropane	73		83		41-144	13		20
Hexachlorobutadiene	97		100		63-130	3		20
Isopropylbenzene	98		100		70-130	2		20
p-Isopropyltoluene	97		98		70-130	1		20
Naphthalene	80		88		70-130	10		20
n-Propylbenzene	100		100		69-130	0		20
1,2,3-Trichlorobenzene	83		90		70-130	8		20
1,2,4-Trichlorobenzene	89		97		70-130	9		20
1,3,5-Trimethylbenzene	97		98		64-130	1		20
1,2,4-Trimethylbenzene	96		99		70-130	3		20
1,4-Dioxane	98		100		56-162	2		20
p-Diethylbenzene	95		96		70-130	1		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 33-34 Batch: WG1679344-3 WG1679344-4								
p-Ethyltoluene	98		99		70-130	1		20
1,2,4,5-Tetramethylbenzene	94		95		70-130	1		20
Ethyl ether	87		93		59-134	7		20
trans-1,4-Dichloro-2-butene	88		93		70-130	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		97		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	101		104		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,29,31 Batch: WG1679699-3 WG1679699-4								
Methylene chloride	90		90		70-130	0		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	97		97		70-130	0		30
Carbon tetrachloride	103		102		70-130	1		30
1,2-Dichloropropane	95		96		70-130	1		30
Dibromochloromethane	103		104		70-130	1		30
1,1,2-Trichloroethane	102		102		70-130	0		30
Tetrachloroethene	115		113		70-130	2		30
Chlorobenzene	107		106		70-130	1		30
Trichlorofluoromethane	123		115		70-139	7		30
1,2-Dichloroethane	93		94		70-130	1		30
1,1,1-Trichloroethane	106		105		70-130	1		30
Bromodichloromethane	94		96		70-130	2		30
trans-1,3-Dichloropropene	107		107		70-130	0		30
cis-1,3-Dichloropropene	97		98		70-130	1		30
1,1-Dichloropropene	108		107		70-130	1		30
Bromoform	102		105		70-130	3		30
1,1,2,2-Tetrachloroethane	101		103		70-130	2		30
Benzene	100		99		70-130	1		30
Toluene	109		106		70-130	3		30
Ethylbenzene	110		108		70-130	2		30
Chloromethane	112		106		52-130	6		30
Bromomethane	114		109		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,29,31 Batch: WG1679699-3 WG1679699-4								
Vinyl chloride	119		117		67-130	2		30
Chloroethane	123		119		50-151	3		30
1,1-Dichloroethene	111		109		65-135	2		30
trans-1,2-Dichloroethene	103		103		70-130	0		30
Trichloroethene	105		107		70-130	2		30
1,2-Dichlorobenzene	107		106		70-130	1		30
1,3-Dichlorobenzene	110		108		70-130	2		30
1,4-Dichlorobenzene	108		106		70-130	2		30
Methyl tert butyl ether	90		92		66-130	2		30
p/m-Xylene	114		112		70-130	2		30
o-Xylene	112		111		70-130	1		30
cis-1,2-Dichloroethene	96		95		70-130	1		30
Dibromomethane	91		92		70-130	1		30
Styrene	114		112		70-130	2		30
Dichlorodifluoromethane	103		100		30-146	3		30
Acetone	85		90		54-140	6		30
Carbon disulfide	104		103		59-130	1		30
2-Butanone	84		89		70-130	6		30
Vinyl acetate	86		82		70-130	5		30
4-Methyl-2-pentanone	104		110		70-130	6		30
1,2,3-Trichloropropane	100		102		68-130	2		30
2-Hexanone	98		103		70-130	5		30
Bromochloromethane	96		98		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,29,31 Batch: WG1679699-3 WG1679699-4								
2,2-Dichloropropane	109		107		70-130	2		30
1,2-Dibromoethane	103		104		70-130	1		30
1,3-Dichloropropane	102		103		69-130	1		30
1,1,1,2-Tetrachloroethane	105		105		70-130	0		30
Bromobenzene	106		106		70-130	0		30
n-Butylbenzene	118		114		70-130	3		30
sec-Butylbenzene	116		114		70-130	2		30
tert-Butylbenzene	114		113		70-130	1		30
o-Chlorotoluene	110		109		70-130	1		30
p-Chlorotoluene	112		110		70-130	2		30
1,2-Dibromo-3-chloropropane	96		100		68-130	4		30
Hexachlorobutadiene	116		111		67-130	4		30
Isopropylbenzene	113		111		70-130	2		30
p-Isopropyltoluene	116		114		70-130	2		30
Naphthalene	102		102		70-130	0		30
Acrylonitrile	95		101		70-130	6		30
n-Propylbenzene	114		112		70-130	2		30
1,2,3-Trichlorobenzene	104		102		70-130	2		30
1,2,4-Trichlorobenzene	108		104		70-130	4		30
1,3,5-Trimethylbenzene	114		111		70-130	3		30
1,2,4-Trimethylbenzene	114		111		70-130	3		30
1,4-Dioxane	115		118		65-136	3		30
p-Diethylbenzene	116		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,29,31 Batch: WG1679699-3 WG1679699-4								
p-Ethyltoluene	113		111		70-130	2		30
1,2,4,5-Tetramethylbenzene	110		106		70-130	4		30
Ethyl ether	94		95		67-130	1		30
trans-1,4-Dichloro-2-butene	106		104		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		99		70-130
Toluene-d8	104		104		70-130
4-Bromofluorobenzene	98		99		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1679853-3 WG1679853-4								
Methylene chloride	83		84		70-130	1		30
1,1-Dichloroethane	80		81		70-130	1		30
Chloroform	76		75		70-130	1		30
Carbon tetrachloride	**68**	Q	**69**	Q	70-130	1		30
1,2-Dichloropropane	84		86		70-130	2		30
Dibromochloromethane	80		82		70-130	2		30
1,1,2-Trichloroethane	89		91		70-130	2		30
Tetrachloroethene	85		86		70-130	1		30
Chlorobenzene	83		84		70-130	1		30
Trichlorofluoromethane	**66**	Q	**68**	Q	70-139	3		30
1,2-Dichloroethane	**67**	Q	**69**	Q	70-130	3		30
1,1,1-Trichloroethane	72		73		70-130	1		30
Bromodichloromethane	74		76		70-130	3		30
trans-1,3-Dichloropropene	85		87		70-130	2		30
cis-1,3-Dichloropropene	75		77		70-130	3		30
1,1-Dichloropropene	86		87		70-130	1		30
Bromoform	82		86		70-130	5		30
1,1,2,2-Tetrachloroethane	89		93		70-130	4		30
Benzene	86		87		70-130	1		30
Toluene	86		87		70-130	1		30
Ethylbenzene	85		86		70-130	1		30
Chloromethane	76		77		52-130	1		30
Bromomethane	76		75		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1679853-3 WG1679853-4								
Vinyl chloride	88		88		67-130	0		30
Chloroethane	86		87		50-151	1		30
1,1-Dichloroethene	89		90		65-135	1		30
trans-1,2-Dichloroethene	84		86		70-130	2		30
Trichloroethene	82		85		70-130	4		30
1,2-Dichlorobenzene	82		84		70-130	2		30
1,3-Dichlorobenzene	84		84		70-130	0		30
1,4-Dichlorobenzene	81		83		70-130	2		30
Methyl tert butyl ether	79		83		66-130	5		30
p/m-Xylene	88		89		70-130	1		30
o-Xylene	88		89		70-130	1		30
cis-1,2-Dichloroethene	82		84		70-130	2		30
Dibromomethane	77		79		70-130	3		30
Styrene	81		82		70-130	1		30
Dichlorodifluoromethane	73		74		30-146	1		30
Acetone	76		86		54-140	12		30
Carbon disulfide	81		82		59-130	1		30
2-Butanone	76		82		70-130	8		30
Vinyl acetate	75		76		70-130	1		30
4-Methyl-2-pentanone	76		83		70-130	9		30
1,2,3-Trichloropropane	82		85		68-130	4		30
2-Hexanone	71		80		70-130	12		30
Bromochloromethane	80		82		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1679853-3 WG1679853-4								
2,2-Dichloropropane	76		77		70-130	1		30
1,2-Dibromoethane	79		81		70-130	3		30
1,3-Dichloropropane	86		89		69-130	3		30
1,1,1,2-Tetrachloroethane	79		81		70-130	3		30
Bromobenzene	84		86		70-130	2		30
n-Butylbenzene	89		89		70-130	0		30
sec-Butylbenzene	88		89		70-130	1		30
tert-Butylbenzene	85		87		70-130	2		30
o-Chlorotoluene	85		86		70-130	1		30
p-Chlorotoluene	86		86		70-130	0		30
1,2-Dibromo-3-chloropropane	80		86		68-130	7		30
Hexachlorobutadiene	80		80		67-130	0		30
Isopropylbenzene	90		91		70-130	1		30
p-Isopropyltoluene	88		88		70-130	0		30
Naphthalene	86		90		70-130	5		30
Acrylonitrile	77		81		70-130	5		30
n-Propylbenzene	89		90		70-130	1		30
1,2,3-Trichlorobenzene	84		85		70-130	1		30
1,2,4-Trichlorobenzene	87		87		70-130	0		30
1,3,5-Trimethylbenzene	85		86		70-130	1		30
1,2,4-Trimethylbenzene	86		86		70-130	0		30
1,4-Dioxane	98		107		65-136	9		30
p-Diethylbenzene	88		89		70-130	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,05 Batch: WG1679853-3 WG1679853-4								
p-Ethyltoluene	88		89		70-130	1		30
1,2,4,5-Tetramethylbenzene	84		85		70-130	1		30
Ethyl ether	90		92		67-130	2		30
trans-1,4-Dichloro-2-butene	80		84		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	82		82		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	104		105		70-130
Dibromofluoromethane	90		91		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07,13,17 Batch: WG1680838-3 WG1680838-4								
Methylene chloride	105		105		70-130	0		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	98		98		70-130	0		30
Carbon tetrachloride	88		88		70-130	0		30
1,2-Dichloropropane	108		110		70-130	2		30
Dibromochloromethane	100		102		70-130	2		30
1,1,2-Trichloroethane	111		116		70-130	4		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	85		84		70-139	1		30
1,2-Dichloroethane	82		83		70-130	1		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	94		96		70-130	2		30
trans-1,3-Dichloropropene	108		110		70-130	2		30
cis-1,3-Dichloropropene	96		98		70-130	2		30
1,1-Dichloropropene	113		114		70-130	1		30
Bromoform	104		109		70-130	5		30
1,1,2,2-Tetrachloroethane	110		112		70-130	2		30
Benzene	113		113		70-130	0		30
Toluene	112		111		70-130	1		30
Ethylbenzene	110		109		70-130	1		30
Chloromethane	93		92		52-130	1		30
Bromomethane	96		97		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07,13,17 Batch: WG1680838-3 WG1680838-4								
Vinyl chloride	114		113		67-130	1		30
Chloroethane	112		111		50-151	1		30
1,1-Dichloroethene	119		119		65-135	0		30
trans-1,2-Dichloroethene	112		111		70-130	1		30
Trichloroethene	111		112		70-130	1		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	106		105		70-130	1		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	101		106		66-130	5		30
p/m-Xylene	113		112		70-130	1		30
o-Xylene	113		112		70-130	1		30
cis-1,2-Dichloroethene	108		108		70-130	0		30
Dibromomethane	96		99		70-130	3		30
Styrene	102		103		70-130	1		30
Dichlorodifluoromethane	89		88		30-146	1		30
Acetone	89		98		54-140	10		30
Carbon disulfide	109		108		59-130	1		30
2-Butanone	99		102		70-130	3		30
Vinyl acetate	78		76		70-130	3		30
4-Methyl-2-pentanone	95		105		70-130	10		30
1,2,3-Trichloropropane	103		108		68-130	5		30
2-Hexanone	87		94		70-130	8		30
Bromochloromethane	101		103		70-130	2		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07,13,17 Batch: WG1680838-3 WG1680838-4								
2,2-Dichloropropane	97		96		70-130	1		30
1,2-Dibromoethane	99		103		70-130	4		30
1,3-Dichloropropane	109		112		69-130	3		30
1,1,1,2-Tetrachloroethane	101		101		70-130	0		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	113		111		70-130	2		30
sec-Butylbenzene	115		114		70-130	1		30
tert-Butylbenzene	112		111		70-130	1		30
o-Chlorotoluene	109		109		70-130	0		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	100		106		68-130	6		30
Hexachlorobutadiene	101		100		67-130	1		30
Isopropylbenzene	119		117		70-130	2		30
p-Isopropyltoluene	114		113		70-130	1		30
Naphthalene	108		113		70-130	5		30
Acrylonitrile	94		103		70-130	9		30
n-Propylbenzene	117		115		70-130	2		30
1,2,3-Trichlorobenzene	103		105		70-130	2		30
1,2,4-Trichlorobenzene	106		107		70-130	1		30
1,3,5-Trimethylbenzene	111		110		70-130	1		30
1,2,4-Trimethylbenzene	110		109		70-130	1		30
1,4-Dioxane	88		97		65-136	10		30
p-Diethylbenzene	114		112		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 07,13,17 Batch: WG1680838-3 WG1680838-4								
p-Ethyltoluene	116		114		70-130	2		30
1,2,4,5-Tetramethylbenzene	108		107		70-130	1		30
Ethyl ether	115		119		67-130	3		30
trans-1,4-Dichloro-2-butene	95		104		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	77		80		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	90		89		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09,11,16-17 Batch: WG1680841-3 WG1680841-4								
Methylene chloride	105		105		70-130	0		30
1,1-Dichloroethane	104		103		70-130	1		30
Chloroform	98		98		70-130	0		30
Carbon tetrachloride	88		88		70-130	0		30
1,2-Dichloropropane	108		110		70-130	2		30
Dibromochloromethane	100		102		70-130	2		30
1,1,2-Trichloroethane	111		116		70-130	4		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	85		84		70-139	1		30
1,2-Dichloroethane	82		83		70-130	1		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	94		96		70-130	2		30
trans-1,3-Dichloropropene	108		110		70-130	2		30
cis-1,3-Dichloropropene	96		98		70-130	2		30
1,1-Dichloropropene	113		114		70-130	1		30
Bromoform	104		109		70-130	5		30
1,1,2,2-Tetrachloroethane	110		112		70-130	2		30
Benzene	113		113		70-130	0		30
Toluene	112		111		70-130	1		30
Ethylbenzene	110		109		70-130	1		30
Chloromethane	93		92		52-130	1		30
Bromomethane	96		97		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09,11,16-17 Batch: WG1680841-3 WG1680841-4								
Vinyl chloride	114		113		67-130	1		30
Chloroethane	112		111		50-151	1		30
1,1-Dichloroethene	119		119		65-135	0		30
trans-1,2-Dichloroethene	112		111		70-130	1		30
Trichloroethene	111		112		70-130	1		30
1,2-Dichlorobenzene	104		104		70-130	0		30
1,3-Dichlorobenzene	106		105		70-130	1		30
1,4-Dichlorobenzene	103		103		70-130	0		30
Methyl tert butyl ether	101		106		66-130	5		30
p/m-Xylene	113		112		70-130	1		30
o-Xylene	113		112		70-130	1		30
cis-1,2-Dichloroethene	108		108		70-130	0		30
Dibromomethane	96		99		70-130	3		30
Styrene	102		103		70-130	1		30
Dichlorodifluoromethane	89		88		30-146	1		30
Acetone	89		98		54-140	10		30
Carbon disulfide	109		108		59-130	1		30
2-Butanone	99		102		70-130	3		30
Vinyl acetate	78		76		70-130	3		30
4-Methyl-2-pentanone	95		105		70-130	10		30
1,2,3-Trichloropropane	103		108		68-130	5		30
2-Hexanone	87		94		70-130	8		30
Bromochloromethane	101		103		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09,11,16-17 Batch: WG1680841-3 WG1680841-4								
2,2-Dichloropropane	97		96		70-130	1		30
1,2-Dibromoethane	99		103		70-130	4		30
1,3-Dichloropropane	109		112		69-130	3		30
1,1,1,2-Tetrachloroethane	101		101		70-130	0		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	113		111		70-130	2		30
sec-Butylbenzene	115		114		70-130	1		30
tert-Butylbenzene	112		111		70-130	1		30
o-Chlorotoluene	109		109		70-130	0		30
p-Chlorotoluene	110		109		70-130	1		30
1,2-Dibromo-3-chloropropane	100		106		68-130	6		30
Hexachlorobutadiene	101		100		67-130	1		30
Isopropylbenzene	119		117		70-130	2		30
p-Isopropyltoluene	114		113		70-130	1		30
Naphthalene	108		113		70-130	5		30
Acrylonitrile	94		103		70-130	9		30
n-Propylbenzene	117		115		70-130	2		30
1,2,3-Trichlorobenzene	103		105		70-130	2		30
1,2,4-Trichlorobenzene	106		107		70-130	1		30
1,3,5-Trimethylbenzene	111		110		70-130	1		30
1,2,4-Trimethylbenzene	110		109		70-130	1		30
1,4-Dioxane	88		97		65-136	10		30
p-Diethylbenzene	114		112		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 09,11,16-17 Batch: WG1680841-3 WG1680841-4								
p-Ethyltoluene	116		114		70-130	2		30
1,2,4,5-Tetramethylbenzene	108		107		70-130	1		30
Ethyl ether	115		119		67-130	3		30
trans-1,4-Dichloro-2-butene	95		104		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	77		80		70-130
Toluene-d8	103		102		70-130
4-Bromofluorobenzene	106		106		70-130
Dibromofluoromethane	90		89		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1680864-3 WG1680864-4								
Methylene chloride	81		83		70-130	2		30
1,1-Dichloroethane	88		89		70-130	1		30
Chloroform	82		84		70-130	2		30
Carbon tetrachloride	88		88		70-130	0		30
1,2-Dichloropropane	89		90		70-130	1		30
Dibromochloromethane	90		92		70-130	2		30
1,1,2-Trichloroethane	87		88		70-130	1		30
Tetrachloroethene	93		93		70-130	0		30
Chlorobenzene	87		87		70-130	0		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	90		93		70-130	3		30
1,1,1-Trichloroethane	92		93		70-130	1		30
Bromodichloromethane	88		90		70-130	2		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	87		90		70-130	3		30
1,1-Dichloropropene	89		90		70-130	1		30
Bromoform	94		95		70-130	1		30
1,1,2,2-Tetrachloroethane	94		95		70-130	1		30
Benzene	84		86		70-130	2		30
Toluene	88		89		70-130	1		30
Ethylbenzene	88		88		70-130	0		30
Chloromethane	82		82		52-130	0		30
Bromomethane	96		97		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1680864-3 WG1680864-4								
Vinyl chloride	100		101		67-130	1		30
Chloroethane	87		88		50-151	1		30
1,1-Dichloroethene	86		88		65-135	2		30
trans-1,2-Dichloroethene	86		87		70-130	1		30
Trichloroethene	88		88		70-130	0		30
1,2-Dichlorobenzene	90		92		70-130	2		30
1,3-Dichlorobenzene	91		91		70-130	0		30
1,4-Dichlorobenzene	91		91		70-130	0		30
Methyl tert butyl ether	91		94		66-130	3		30
p/m-Xylene	89		90		70-130	1		30
o-Xylene	89		89		70-130	0		30
cis-1,2-Dichloroethene	87		88		70-130	1		30
Dibromomethane	90		92		70-130	2		30
Styrene	89		90		70-130	1		30
Dichlorodifluoromethane	75		76		30-146	1		30
Acetone	92		94		54-140	2		30
Carbon disulfide	80		81		59-130	1		30
2-Butanone	93		96		70-130	3		30
Vinyl acetate	87		87		70-130	0		30
4-Methyl-2-pentanone	95		98		70-130	3		30
1,2,3-Trichloropropane	91		94		68-130	3		30
2-Hexanone	92		93		70-130	1		30
Bromochloromethane	89		92		70-130	3		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1680864-3 WG1680864-4								
2,2-Dichloropropane	89		89		70-130	0		30
1,2-Dibromoethane	88		89		70-130	1		30
1,3-Dichloropropane	93		93		69-130	0		30
1,1,1,2-Tetrachloroethane	90		90		70-130	0		30
Bromobenzene	88		88		70-130	0		30
n-Butylbenzene	92		90		70-130	2		30
sec-Butylbenzene	90		89		70-130	1		30
tert-Butylbenzene	89		88		70-130	1		30
o-Chlorotoluene	87		87		70-130	0		30
p-Chlorotoluene	87		88		70-130	1		30
1,2-Dibromo-3-chloropropane	96		97		68-130	1		30
Hexachlorobutadiene	95		93		67-130	2		30
Isopropylbenzene	88		88		70-130	0		30
p-Isopropyltoluene	91		91		70-130	0		30
Naphthalene	96		97		70-130	1		30
Acrylonitrile	90		92		70-130	2		30
n-Propylbenzene	89		88		70-130	1		30
1,2,3-Trichlorobenzene	103		104		70-130	1		30
1,2,4-Trichlorobenzene	99		99		70-130	0		30
1,3,5-Trimethylbenzene	90		89		70-130	1		30
1,2,4-Trimethylbenzene	89		88		70-130	1		30
1,4-Dioxane	100		105		65-136	5		30
p-Diethylbenzene	92		91		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 37,39,41,43,45,47 Batch: WG1680864-3 WG1680864-4								
p-Ethyltoluene	90		89		70-130	1		30
1,2,4,5-Tetramethylbenzene	90		90		70-130	0		30
Ethyl ether	93		95		67-130	2		30
trans-1,4-Dichloro-2-butene	93		94		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	98		97		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 19,21 Batch: WG1680941-3 WG1680941-4								
Methylene chloride	98		97		70-130	1		20
1,1-Dichloroethane	100		97		70-130	3		20
Chloroform	100		96		70-130	4		20
Carbon tetrachloride	99		97		63-132	2		20
1,2-Dichloropropane	96		94		70-130	2		20
Dibromochloromethane	92		93		63-130	1		20
1,1,2-Trichloroethane	92		92		70-130	0		20
2-Chloroethylvinyl ether	80		85		70-130	6		20
Tetrachloroethene	97		92		70-130	5		20
Chlorobenzene	100		96		75-130	4		25
Trichlorofluoromethane	100		96		62-150	4		20
1,2-Dichloroethane	95		96		70-130	1		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	96		97		67-130	1		20
trans-1,3-Dichloropropene	93		92		70-130	1		20
cis-1,3-Dichloropropene	95		95		70-130	0		20
Bromoform	88		91		54-136	3		20
1,1,2,2-Tetrachloroethane	87		91		67-130	4		20
Benzene	100		96		70-130	4		25
Toluene	98		92		70-130	6		25
Ethylbenzene	100		95		70-130	5		20
Chloromethane	94		88		64-130	7		20
Bromomethane	90		89		39-139	1		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 19,21 Batch: WG1680941-3 WG1680941-4								
Vinyl chloride	99		93		55-140	6		20
Chloroethane	98		91		55-138	7		20
1,1-Dichloroethene	99		95		61-145	4		25
trans-1,2-Dichloroethene	100		98		70-130	2		20
Trichloroethene	100		98		70-130	2		25
1,2-Dichlorobenzene	94		93		70-130	1		20
1,3-Dichlorobenzene	98		95		70-130	3		20
1,4-Dichlorobenzene	97		94		70-130	3		20
Methyl tert butyl ether	85		89		63-130	5		20
cis-1,2-Dichloroethene	100		97		70-130	3		20
Dibromomethane	94		95		70-130	1		20
1,4-Dichlorobutane	88		90		70-130	2		20
Iodomethane	74		73		70-130	1		20
1,2,3-Trichloropropane	86		90		64-130	5		20
Styrene	105		100		70-130	5		20
Dichlorodifluoromethane	78		75		36-147	4		20
Acetone	88		95		58-148	8		20
Carbon disulfide	100		94		51-130	6		20
2-Butanone	90		91		63-138	1		20
Vinyl acetate	87		92		70-130	6		20
4-Methyl-2-pentanone	76		84		59-130	10		20
2-Hexanone	76		85		57-130	11		20
Ethyl methacrylate	81		86		70-130	6		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 19,21 Batch: WG1680941-3 WG1680941-4								
Acrolein	84		90		70-130	7		20
Acrylonitrile	85		91		70-130	7		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		106		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		97		70-130
dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 35 Batch: WG1682493-3 WG1682493-4								
Chloroform	100		110		70-130	10		20
Carbon tetrachloride	110		110		63-132	0		20
Tetrachloroethene	110		100		70-130	10		20
Chlorobenzene	100		99		75-130	1		25
1,2-Dichloroethane	100		110		70-130	10		20
Benzene	98		98		70-130	0		25
Vinyl chloride	100		98		55-140	2		20
1,1-Dichloroethene	110		100		61-145	10		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	97		95		70-130	2		20
2-Butanone	96		110		63-138	14		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		104		70-130
Toluene-d8	107		104		70-130
4-Bromofluorobenzene	88		89		70-130
dibromofluoromethane	106		108		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 09,11,16-17 QC Batch ID: WG1680841-6 WG1680841-7 QC Sample: L2245374-09 Client ID: SB-06 (8')												
Methylene chloride	ND	101	85	84		82	82		70-130	3		30
1,1-Dichloroethane	ND	101	89	88		85	85		70-130	4		30
Chloroform	ND	101	80	79		78	77		70-130	4		30
Carbon tetrachloride	ND	101	78	76		72	72		70-130	7		30
1,2-Dichloropropane	ND	101	88	87		85	85		70-130	3		30
Dibromochloromethane	ND	101	75	74		74	74		70-130	2		30
1,1,2-Trichloroethane	ND	101	86	84		83	83		70-130	3		30
Tetrachloroethene	ND	101	84	82		77	76		70-130	9		30
Chlorobenzene	ND	101	75	74		72	72		70-130	3		30
Trichlorofluoromethane	ND	101	79	78		72	72		70-139	9		30
1,2-Dichloroethane	ND	101	64	**63**	Q	62	**62**	Q	70-130	2		30
1,1,1-Trichloroethane	ND	101	82	81		77	76		70-130	6		30
Bromodichloromethane	ND	101	74	73		73	72		70-130	1		30
trans-1,3-Dichloropropene	ND	101	79	78		78	77		70-130	2		30
cis-1,3-Dichloropropene	ND	101	73	72		72	71		70-130	2		30
1,1-Dichloropropene	ND	101	98	96		91	90		70-130	8		30
Bromoform	ND	101	76	74		75	74		70-130	1		30
1,1,2,2-Tetrachloroethane	ND	101	86	85		84	84		70-130	2		30
Benzene	ND	101	93	92		89	89		70-130	4		30
Toluene	ND	101	85	84		82	81		70-130	4		30
Ethylbenzene	ND	101	78	77		74	73		70-130	6		30
Chloromethane	ND	101	85	84		82	82		52-130	4		30
Bromomethane	ND	101	86	85		83	82		57-147	4		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 09,11,16-17 QC Batch ID: WG1680841-6 WG1680841-7 QC Sample: L2245374-09 Client ID: SB-06 (8')												
Vinyl chloride	ND	101	110	107		100	102		67-130	7		30
Chloroethane	ND	101	100	100		97	97		50-151	5		30
1,1-Dichloroethene	ND	101	110	109		100	102		65-135	7		30
trans-1,2-Dichloroethene	ND	101	96	94		91	91		70-130	5		30
Trichloroethene	0.97	101	88	86		83	82		70-130	5		30
1,2-Dichlorobenzene	ND	101	63	**62**	Q	62	**62**	Q	70-130	1		30
1,3-Dichlorobenzene	ND	101	62	**61**	Q	60	**60**	Q	70-130	3		30
1,4-Dichlorobenzene	ND	101	59	**58**	Q	58	**58**	Q	70-130	2		30
Methyl tert butyl ether	ND	101	82	81		78	78		66-130	4		30
p/m-Xylene	ND	203	160	76		150	73		70-130	6		30
o-Xylene	ND	203	160	77		150	75		70-130	5		30
cis-1,2-Dichloroethene	ND	101	88	86		86	85		70-130	2		30
Dibromomethane	ND	101	74	73		72	72		70-130	2		30
Styrene	ND	203	140	**68**	Q	130	**66**	Q	70-130	4		30
Dichlorodifluoromethane	ND	101	86	84		77	76		30-146	11		30
Acetone	ND	101	74	73		70	69		54-140	6		30
Carbon disulfide	ND	101	97	96		92	91		59-130	6		30
2-Butanone	ND	101	78	77		72	72		70-130	8		30
Vinyl acetate	ND	101	31	**30**	Q	38	**38**	Q	70-130	21		30
4-Methyl-2-pentanone	ND	101	77	75		71	70		70-130	8		30
1,2,3-Trichloropropane	ND	101	75	74		74	74		68-130	1		30
2-Hexanone	ND	101	71	70		65	**65**	Q	70-130	9		30
Bromochloromethane	ND	101	79	78		77	77		70-130	3		30

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

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): 09,11,16-17 QC Batch ID: WG1680841-6 WG1680841-7 QC Sample: L2245374-09 Client ID: SB-06 (8')												
2,2-Dichloropropane	ND	101	86	85		79	79		70-130	9		30
1,2-Dibromoethane	ND	101	75	74		73	72		70-130	3		30
1,3-Dichloropropane	ND	101	83	82		81	80		69-130	2		30
1,1,1,2-Tetrachloroethane	ND	101	75	74		73	73		70-130	2		30
Bromobenzene	ND	101	71	70		70	70		70-130	1		30
n-Butylbenzene	ND	101	61	**60**	Q	55	**54**	Q	70-130	11		30
sec-Butylbenzene	ND	101	71	70		65	**65**	Q	70-130	8		30
tert-Butylbenzene	ND	101	74	72		69	**69**	Q	70-130	6		30
o-Chlorotoluene	ND	101	70	**69**	Q	67	**67**	Q	70-130	4		30
p-Chlorotoluene	ND	101	67	**66**	Q	65	**64**	Q	70-130	4		30
1,2-Dibromo-3-chloropropane	ND	101	75	74		72	72		68-130	3		30
Hexachlorobutadiene	ND	101	48	**47**	Q	38	**38**	Q	67-130	22		30
Isopropylbenzene	ND	101	81	79		77	76		70-130	5		30
p-Isopropyltoluene	ND	101	67	**66**	Q	61	**61**	Q	70-130	9		30
Naphthalene	ND	101	68	**67**	Q	68	**68**	Q	70-130	1		30
Acrylonitrile	ND	101	75	74		70	70		70-130	6		30
n-Propylbenzene	ND	101	73	72		69	**69**	Q	70-130	6		30
1,2,3-Trichlorobenzene	ND	101	54	**53**	Q	53	**53**	Q	70-130	1		30
1,2,4-Trichlorobenzene	ND	101	53	**52**	Q	52	**52**	Q	70-130	2		30
1,3,5-Trimethylbenzene	ND	101	70	**69**	Q	66	**66**	Q	70-130	5		30
1,2,4-Trimethylbenzene	ND	101	67	**66**	Q	64	**64**	Q	70-130	4		30
1,4-Dioxane	ND	5070	4600	90		4000	80		65-136	12		30
p-Diethylbenzene	ND	101	62	**61**	Q	57	**56**	Q	70-130	8		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Client ID: SB-06 (8')	Associated sample(s): 09,11,16-17			QC Batch ID: WG1680841-6		WG1680841-7			QC Sample: L2245374-09			
p-Ethyltoluene	ND	101	70	**69**	Q	66	**66**	Q	70-130	6		30
1,2,4,5-Tetramethylbenzene	ND	101	60	**59**	Q	57	**56**	Q	70-130	6		30
Ethyl ether	ND	101	94	92		90	89		67-130	4		30
trans-1,4-Dichloro-2-butene	ND	101	68	**67**	Q	66	**66**	Q	70-130	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		79		70-130
4-Bromofluorobenzene	106		107		70-130
Dibromofluoromethane	91		90		70-130
Toluene-d8	102		103		70-130

SEMIVOLATILES

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02
Client ID: SB-04 (4-7')
Sample Location: Not Specified

Date Collected: 08/22/22 08:50
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:46
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

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	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	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	500	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	32	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02 Date Collected: 08/22/22 08:50

Client ID: SB-04 (4-7') Date Received: 08/22/22

Sample Location: Not Specified 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	900		ug/kg	110	20.	1
Benzo(a)pyrene	710		ug/kg	140	43.	1
Benzo(b)fluoranthene	870		ug/kg	110	30.	1
Benzo(k)fluoranthene	290		ug/kg	110	28.	1
Chrysene	880		ug/kg	110	18.	1
Acenaphthylene	52	J	ug/kg	140	27.	1
Anthracene	330		ug/kg	110	34.	1
Benzo(ghi)perylene	400		ug/kg	140	21.	1
Fluorene	120	J	ug/kg	180	17.	1
Phenanthrene	1500		ug/kg	110	21.	1
Dibenzo(a,h)anthracene	87	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	420		ug/kg	140	25.	1
Pyrene	1600		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	60	J	ug/kg	180	17.	1
2-Methylnaphthalene	38	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02 Date Collected: 08/22/22 08:50

Client ID: SB-04 (4-7') Date Received: 08/22/22

Sample Location: Not Specified 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	47	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	**1**	Q	25-120
Phenol-d6	**5**	Q	10-120
Nitrobenzene-d5	**17**	Q	23-120
2-Fluorobiphenyl	**27**	Q	30-120
2,4,6-Tribromophenol	**0**	Q	10-136
4-Terphenyl-d14	25		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02 RE
Client ID: SB-04 (4-7')
Sample Location: Not Specified

Date Collected: 08/22/22 08:50
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/29/22 09:26
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 22:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	56	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	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	770		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	35	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02 RE Date Collected: 08/22/22 08:50
Client ID: SB-04 (4-7') Date Received: 08/22/22
Sample Location: Not Specified 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	370		ug/kg	110	20.	1
Benzo(a)pyrene	410		ug/kg	140	43.	1
Benzo(b)fluoranthene	490		ug/kg	110	30.	1
Benzo(k)fluoranthene	150		ug/kg	110	28.	1
Chrysene	400		ug/kg	110	18.	1
Acenaphthylene	69	J	ug/kg	140	27.	1
Anthracene	160		ug/kg	110	34.	1
Benzo(ghi)perylene	320		ug/kg	140	21.	1
Fluorene	37	J	ug/kg	180	17.	1
Phenanthrene	570		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	63	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	140	25.	1
Pyrene	720		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	31	J	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	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	260	28.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02 RE Date Collected: 08/22/22 08:50
Client ID: SB-04 (4-7') Date Received: 08/22/22
Sample Location: Not Specified 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	36	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	794	J	ug/kg			1
Unknown	364	J	ug/kg			1
Unknown	430	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	32		25-120
Phenol-d6	37		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	**8**	Q	10-136
4-Terphenyl-d14	77		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 19:10
Analyst: CMM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

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	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04 Date Collected: 08/22/22 08:55

Client ID: SB-04 (8-10') Date Received: 08/22/22

Sample Location: Not Specified 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	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	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	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04 Date Collected: 08/22/22 08:55

Client ID: SB-04 (8-10') Date Received: 08/22/22

Sample Location: Not Specified 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	ND		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	28		25-120
Phenol-d6	38		10-120
Nitrobenzene-d5	53		23-120
2-Fluorobiphenyl	71		30-120
2,4,6-Tribromophenol	12		10-136
4-Terphenyl-d14	68		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 08:17
Analyst: SG
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.529	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.529	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.265	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.529	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.265	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.265	0.064	1
Perfluorooctanoic Acid (PFOA)	6.25		ng/g	0.265	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.529	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.529	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.265	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.265	0.138	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.265	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.529	0.304	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.529	0.213	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.529	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.529	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.529	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.238	JB	ng/g	0.529	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.529	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.529	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.529	0.057	1
PFOA/PFOS, Total	6.25		ng/g	0.265	0.044	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04 Date Collected: 08/22/22 08:55

Client ID: SB-04 (8-10') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	65		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	65		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**68**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	88		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	50		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**63**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	52		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**19**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	64		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**19**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	42		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 19:34
Analyst: MG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

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	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	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	170	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06 Date Collected: 08/22/22 11:00

Client ID: SB-06 (0.5-2.5') Date Received: 08/22/22

Sample Location: Not Specified 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	73	J	ug/kg	110	21.	1
Benzo(a)pyrene	76	J	ug/kg	150	45.	1
Benzo(b)fluoranthene	91	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	33	J	ug/kg	110	30.	1
Chrysene	69	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	51	J	ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	44	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	49	J	ug/kg	150	26.	1
Pyrene	110		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06 Date Collected: 08/22/22 11:00

Client ID: SB-06 (0.5-2.5') Date Received: 08/22/22

Sample Location: Not Specified 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	57		25-120
Phenol-d6	61		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	70		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 08:33
Analyst: SG
Percent Solids: 88%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.536	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.536	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.268	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.536	0.056	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.268	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.268	0.065	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.268	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.536	0.192	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.536	0.146	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.268	0.080	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.268	0.139	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.268	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.536	0.308	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.536	0.216	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.536	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.536	0.164	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.536	0.105	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.536	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.536	0.075	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.536	0.219	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.536	0.058	1
PFOA/PFOS, Total	ND		ng/g	0.268	0.045	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06 Date Collected: 08/22/22 11:00

Client ID: SB-06 (0.5-2.5') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	104		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	72		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08
Client ID: SB-06 (3-7')
Sample Location: Not Specified

Date Collected: 08/22/22 11:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 19:58
Analyst: CMM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1200		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	9300	E	ug/kg	110	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	710		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08 Date Collected: 08/22/22 11:05

Client ID: SB-06 (3-7') Date Received: 08/22/22

Sample Location: Not Specified 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	5000		ug/kg	110	20.	1
Benzo(a)pyrene	3900		ug/kg	140	44.	1
Benzo(b)fluoranthene	4100		ug/kg	110	30.	1
Benzo(k)fluoranthene	1300		ug/kg	110	28.	1
Chrysene	4700		ug/kg	110	18.	1
Acenaphthylene	150		ug/kg	140	28.	1
Anthracene	2300		ug/kg	110	35.	1
Benzo(ghi)perylene	1800		ug/kg	140	21.	1
Fluorene	1400		ug/kg	180	17.	1
Phenanthrene	11000	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	450		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	140	25.	1
Pyrene	10000	E	ug/kg	110	18.	1
Biphenyl	110	J	ug/kg	410	23.	1
4-Chloroaniline	ND		ug/kg	180	32.	1
2-Nitroaniline	ND		ug/kg	180	34.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	670		ug/kg	180	17.	1
2-Methylnaphthalene	480		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08 Date Collected: 08/22/22 11:05

Client ID: SB-06 (3-7') Date Received: 08/22/22

Sample Location: Not Specified 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	560		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	11000	J	ug/kg			1
Unknown PAH	2040	J	ug/kg			1
Unknown PAH	604	J	ug/kg			1
Unknown PAH	905	J	ug/kg			1
Unknown PAH	1000	J	ug/kg			1
Unknown PAH	378	J	ug/kg			1
Unknown PAH	416	J	ug/kg			1
Unknown PAH	434	J	ug/kg			1
Unknown PAH	509	J	ug/kg			1
Unknown PAH	597	J	ug/kg			1
Unknown	494	J	ug/kg			1
Unknown PAH	594	J	ug/kg			1
Unknown PAH	724	J	ug/kg			1
Unknown PAH	1140	J	ug/kg			1
Unknown	551	J	ug/kg			1
Unknown	568	J	ug/kg			1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08 Date Collected: 08/22/22 11:05

Client ID: SB-06 (3-7') Date Received: 08/22/22

Sample Location: Not Specified 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	72		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	72		18-120

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08 D
Client ID: SB-06 (3-7')
Sample Location: Not Specified

Date Collected: 08/22/22 11:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/27/22 15:12
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	9000		ug/kg	540	100	5
Phenanthrene	10000		ug/kg	540	110	5
Pyrene	9900		ug/kg	540	89.	5

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 20:22
Analyst: MG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

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	ND		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10 Date Collected: 08/22/22 11:10

Client ID: SB-06 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	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	21.	1
Fluorene	ND		ug/kg	180	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10 Date Collected: 08/22/22 11:10

Client ID: SB-06 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	63		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	43		10-136
4-Terphenyl-d14	75		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 08:50
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.496	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.496	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.248	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.496	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.248	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.248	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.248	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.496	0.178	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.496	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.248	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.248	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.248	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.496	0.285	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.496	0.200	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.496	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.496	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.496	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.084	JB	ng/g	0.496	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.496	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.496	0.203	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.496	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.248	0.042	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10 Date Collected: 08/22/22 11:10

Client ID: SB-06 (7-9') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	72		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 18:52
Analyst: CMM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

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	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	980		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	65	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	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12 Date Collected: 08/22/22 13:15

Client ID: SB-03 (1-3') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	450		ug/kg	110	21.	1
Benzo(a)pyrene	450		ug/kg	150	46.	1
Benzo(b)fluoranthene	510		ug/kg	110	32.	1
Benzo(k)fluoranthene	180		ug/kg	110	30.	1
Chrysene	410		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	190		ug/kg	110	36.	1
Benzo(ghi)perylene	260		ug/kg	150	22.	1
Fluorene	82	J	ug/kg	190	18.	1
Phenanthrene	770		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	60	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	280		ug/kg	150	26.	1
Pyrene	840		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	54	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12 Date Collected: 08/22/22 13:15

Client ID: SB-03 (1-3') Date Received: 08/22/22

Sample Location: Not Specified 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	87	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	306	J	ug/kg			1
Unknown PAH	306	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	74		18-120

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 09:39
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.521	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.521	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.261	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.521	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.261	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.261	0.063	1
Perfluorooctanoic Acid (PFOA)	0.104	J	ng/g	0.261	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.521	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.521	0.142	1
Perfluorononanoic Acid (PFNA)	0.080	JF	ng/g	0.261	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.473		ng/g	0.261	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.261	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.521	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.521	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.521	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.521	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.521	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.191	JB	ng/g	0.521	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.521	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.521	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.521	0.056	1
PFOA/PFOS, Total	0.577	J	ng/g	0.261	0.044	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12 Date Collected: 08/22/22 13:15

Client ID: SB-03 (1-3') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	73		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	80		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	74		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-14
Client ID: SB-03 (4-7')
Sample Location: Not Specified

Date Collected: 08/22/22 13:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 19:16
Analyst: CMM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	29	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-14 Date Collected: 08/22/22 13:20

Client ID: SB-03 (4-7') Date Received: 08/22/22

Sample Location: Not Specified 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	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	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	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	29	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-14 Date Collected: 08/22/22 13:20

Client ID: SB-03 (4-7') Date Received: 08/22/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	80		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	72		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 19:39
Analyst: CMM
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	630	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	75.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15 Date Collected: 08/22/22 13:25

Client ID: SB-03 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	29.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	91.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	83.	1
4-Nitrophenol	ND		ug/kg	310	90.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	180	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	34.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15 Date Collected: 08/22/22 13:25

Client ID: SB-03 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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	220	42.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	61		10-136
4-Terphenyl-d14	65		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 10:12
Analyst: SG
Percent Solids: 74%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.624	0.028	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.624	0.057	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.312	0.049	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.624	0.066	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.312	0.056	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.312	0.076	1
Perfluorooctanoic Acid (PFOA)	0.056	JF	ng/g	0.312	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.624	0.224	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.624	0.170	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.312	0.094	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.312	0.162	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.312	0.084	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.624	0.358	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.624	0.252	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.624	0.058	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.624	0.191	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.140	JB	ng/g	0.624	0.106	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.624	0.087	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.624	0.255	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.624	0.067	1
PFOA/PFOS, Total	0.056	J	ng/g	0.312	0.052	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15 Date Collected: 08/22/22 13:25

Client ID: SB-03 (7-9') Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	90		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	86		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	33		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 16:36
Analyst: SG
Percent Solids: 74%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.624	0.122	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/26/22 20:03
Analyst: CMM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	180		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	1000		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	82	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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	460		ug/kg	110	20.	1
Benzo(a)pyrene	460		ug/kg	140	43.	1
Benzo(b)fluoranthene	540		ug/kg	110	30.	1
Benzo(k)fluoranthene	190		ug/kg	110	28.	1
Chrysene	420		ug/kg	110	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	210		ug/kg	110	34.	1
Benzo(ghi)perylene	270		ug/kg	140	21.	1
Fluorene	96	J	ug/kg	180	17.	1
Phenanthrene	830		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	62	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	300		ug/kg	140	25.	1
Pyrene	840		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	64	J	ug/kg	180	17.	1
2-Methylnaphthalene	22	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	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	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	260	28.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	110	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	320	J	ug/kg			1
Unknown PAH	320	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	62		30-120
2,4,6-Tribromophenol	63		10-136
4-Terphenyl-d14	64		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 10:29
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.508	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.508	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.508	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.062	1
Perfluorooctanoic Acid (PFOA)	0.131	JF	ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.508	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.508	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.438		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	0.074	JF	ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.508	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.508	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.508	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.508	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.508	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.508	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.508	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.508	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.508	0.055	1
PFOA/PFOS, Total	0.569	J	ng/g	0.254	0.043	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	95		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	99		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	69		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	83		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	21		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	48		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	79		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/28/22 22:17
Analyst: EK
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	43	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	780		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	35	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24 Date Collected: 08/23/22 09:55

Client ID: SB-01 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	430		ug/kg	110	20.	1
Benzo(a)pyrene	390		ug/kg	140	44.	1
Benzo(b)fluoranthene	520		ug/kg	110	30.	1
Benzo(k)fluoranthene	150		ug/kg	110	29.	1
Chrysene	440		ug/kg	110	19.	1
Acenaphthylene	34	J	ug/kg	140	28.	1
Anthracene	100	J	ug/kg	110	35.	1
Benzo(ghi)perylene	200		ug/kg	140	21.	1
Fluorene	32	J	ug/kg	180	17.	1
Phenanthrene	480		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	44	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	210		ug/kg	140	25.	1
Pyrene	720		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	24	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24 Date Collected: 08/23/22 09:55

Client ID: SB-01 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	37	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	663	J	ug/kg			1
Unknown PAH	354	J	ug/kg			1
Unknown	154	J	ug/kg			1
Unknown PAH	155	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	55		10-136
4-Terphenyl-d14	71		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 10:46
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.065	J	ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.063	1
Perfluorooctanoic Acid (PFOA)	0.247	JF	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	1.11		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.517	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.517	0.056	1
PFOA/PFOS, Total	1.36	J	ng/g	0.258	0.043	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24 Date Collected: 08/23/22 09:55

Client ID: SB-01 (1-3') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**69**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	36		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	39		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	77		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/28/22 22:41
Analyst: EK
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

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	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26 Date Collected: 08/23/22 10:45

Client ID: SB-01 (18-20') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	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	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26 Date Collected: 08/23/22 10:45

Client ID: SB-01 (18-20') Date Received: 08/23/22

Sample Location: Not Specified 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	570	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	77		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 11:02
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.498	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.498	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.249	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.498	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.249	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.249	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.249	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.498	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.498	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.249	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.249	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.249	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.498	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.498	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.498	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.498	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.498	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.498	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.498	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.498	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.498	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.249	0.042	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26 Date Collected: 08/23/22 10:45

Client ID: SB-01 (18-20') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**37**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**41**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**43**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**47**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**53**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**52**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**65**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**14**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**21**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	66		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/28/22 23:05
Analyst: EK
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	20	J	ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	17.	1
1,2-Dichlorobenzene	ND		ug/kg	180	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	690		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	30	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	60.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	33	J	ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	100	20.	1
Benzo(a)pyrene	330		ug/kg	140	43.	1
Benzo(b)fluoranthene	430		ug/kg	100	29.	1
Benzo(k)fluoranthene	160		ug/kg	100	28.	1
Chrysene	390		ug/kg	100	18.	1
Acenaphthylene	42	J	ug/kg	140	27.	1
Anthracene	69	J	ug/kg	100	34.	1
Benzo(ghi)perylene	140		ug/kg	140	20.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	340		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	40	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	170		ug/kg	140	24.	1
Pyrene	660		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	19	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
Total TIC Compounds	612	J	ug/kg			1
Unknown PAH	187	J	ug/kg			1
Unknown PAH	145	J	ug/kg			1
Unknown PAH	280	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	72		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	76		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 11:19
Analyst: SG
Percent Solids: 95%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.493	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.493	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.247	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.493	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.247	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.247	0.060	1
Perfluorooctanoic Acid (PFOA)	0.286		ng/g	0.247	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.493	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.493	0.135	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.247	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	0.152	J	ng/g	0.247	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.247	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.493	0.283	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.493	0.199	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.493	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.493	0.151	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.493	0.097	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.493	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.493	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.493	0.202	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.493	0.053	1
PFOA/PFOS, Total	0.438	J	ng/g	0.247	0.041	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1-3') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	84		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	92		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	77		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	34		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	80		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-30
Client ID: SB-07 (4-7')
Sample Location: Not Specified

Date Collected: 08/23/22 13:40
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/28/22 23:30
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

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	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	120		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-30 Date Collected: 08/23/22 13:40

Client ID: SB-07 (4-7') Date Received: 08/23/22

Sample Location: Not Specified 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	58	J	ug/kg	110	21.	1
Benzo(a)pyrene	50	J	ug/kg	150	46.	1
Benzo(b)fluoranthene	69	J	ug/kg	110	32.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	72	J	ug/kg	110	20.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	37.	1
Benzo(ghi)perylene	27	J	ug/kg	150	22.	1
Fluorene	ND		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	31	J	ug/kg	150	26.	1
Pyrene	110		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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-30 Date Collected: 08/23/22 13:40

Client ID: SB-07 (4-7') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	74		18-120

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/28/22 23:54
Analyst: EK
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

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	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32 Date Collected: 08/23/22 13:45

Client ID: SB-07 (7-9') Date Received: 08/23/22

Sample Location: Not Specified 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	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	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	380	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32 Date Collected: 08/23/22 13:45

Client ID: SB-07 (7-9') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	86		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	75		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 11:35
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.501	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.501	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.251	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.501	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.251	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.251	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.251	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.501	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.501	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.251	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.251	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.251	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.501	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.501	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.501	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.501	0.153	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.501	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.501	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.501	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.501	0.205	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.501	0.054	1
PFOA/PFOS, Total	ND		ng/g	0.251	0.042	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32 Date Collected: 08/23/22 13:45

Client ID: SB-07 (7-9') Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	67		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	38		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	81		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	59		24-159

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 08/29/22 17:47
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:43

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	10.9	J	ug/l			1
Unknown	1.74	J	ug/l			1
Unknown	2.33	JB	ug/l			1
Unknown	2.87	JB	ug/l			1
Unknown	1.64	J	ug/l			1
Unknown	2.29	J	ug/l			1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	54		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	61		23-120
2-Fluorobiphenyl	61		15-120
2,4,6-Tribromophenol	62		10-120
4-Terphenyl-d14	66		41-149

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 10:58
Analyst: JJW

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

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	0.02	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	J	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	54		21-120
Phenol-d6	43		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	63		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	64		41-149

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 17:57
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

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	48		15-110

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 03:06
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.84	0.375	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.84	0.364	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.84	0.219	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	1.84	0.302	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.84	0.207	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.84	0.346	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.84	0.217	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	1.43	JB	ng/l	1.84	1.22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.84	0.633	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.84	0.287	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.84	0.463	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.84	0.280	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.84	1.11	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.84	0.596	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.84	0.239	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.84	0.901	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.84	0.533	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.84	0.739	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.84	0.342	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.84	0.301	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.84	0.228	1
PFOA/PFOS, Total	ND		ng/l	1.84	0.217	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	146		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	76		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	90		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	113		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	93		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	72		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61		22-136

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 00:40
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	19	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	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	350		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	190		ug/kg	110	20.	1
Benzo(a)pyrene	220		ug/kg	140	43.	1
Benzo(b)fluoranthene	290		ug/kg	110	30.	1
Benzo(k)fluoranthene	71	J	ug/kg	110	28.	1
Chrysene	200		ug/kg	110	18.	1
Acenaphthylene	29	J	ug/kg	140	27.	1
Anthracene	40	J	ug/kg	110	34.	1
Benzo(ghi)perylene	140		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	180		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	38	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	140	25.	1
Pyrene	330		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	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	18	J	ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	170	J	ug/kg			1
Unknown	170	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	81		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/22 17:23
Analyst: RS
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.513	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.513	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.257	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.513	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.257	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.257	0.062	1
Perfluorooctanoic Acid (PFOA)	0.107	JF	ng/g	0.257	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.513	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.513	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.257	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.257	0.133	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.257	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.513	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.513	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.513	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.513	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.513	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.513	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.513	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.513	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.513	0.055	1
PFOA/PFOS, Total	0.107	J	ng/g	0.257	0.043	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1-3') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	89		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	99		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	87		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	94		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	165		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**30**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	109		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 00:07
Analyst: WR
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	J	ug/kg	150	19.	1
1,2,4-Trichlorobenzene	85	J	ug/kg	190	22.	1
Hexachlorobenzene	200		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	140	J	ug/kg	190	19.	1
1,2-Dichlorobenzene	37	J	ug/kg	190	34.	1
1,3-Dichlorobenzene	34	J	ug/kg	190	32.	1
1,4-Dichlorobenzene	35	J	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	58	J	ug/kg	190	32.	1
Fluoranthene	78	J	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	170	J	ug/kg	190	20.	1
4-Bromophenyl phenyl ether	150	J	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	48	J	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	88	J	ug/kg	190	23.	1
Nitrobenzene	40	J	ug/kg	170	28.	1
NDPA/DPA	42	J	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	37	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40 Date Collected: 08/24/22 10:15

Client ID: SB-02 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	21	J	ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	27	J	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	22	J	ug/kg	110	20.	1
Acenaphthylene	110	J	ug/kg	150	29.	1
Anthracene	110		ug/kg	110	37.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	150	J	ug/kg	190	18.	1
Phenanthrene	140		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	63	J	ug/kg	110	19.	1
Biphenyl	130	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	78.	1
Dibenzofuran	170	J	ug/kg	190	18.	1
2-Methylnaphthalene	120	J	ug/kg	220	23.	1
1,2,4,5-Tetrachlorobenzene	150	J	ug/kg	190	20.	1
Acetophenone	24	J	ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40 Date Collected: 08/24/22 10:15

Client ID: SB-02 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	ND		ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.6	1
Tentatively Identified Compounds						
Total TIC Compounds	9550	J	ug/kg			1
Unknown	1930	J	ug/kg			1
Unknown	1180	J	ug/kg			1
Unknown	171	J	ug/kg			1
Unknown	239	J	ug/kg			1
Unknown	329	J	ug/kg			1
Unknown	426	J	ug/kg			1
Unknown	299	J	ug/kg			1
Unknown	352	J	ug/kg			1
Unknown	444	J	ug/kg			1
Unknown	1830	J	ug/kg			1
Unknown	272	J	ug/kg			1
Unknown	383	J	ug/kg			1
Unknown	1020	J	ug/kg			1
Unknown	315	J	ug/kg			1
Unknown	363	J	ug/kg			1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40 Date Collected: 08/24/22 10:15

Client ID: SB-02 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	68		25-120
Phenol-d6	71		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	79		30-120
2,4,6-Tribromophenol	77		10-136
4-Terphenyl-d14	76		18-120

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 14:33
Analyst: SG
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.540	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.540	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.270	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.540	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.270	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.270	0.065	1
Perfluorooctanoic Acid (PFOA)	0.135	J	ng/g	0.270	0.045	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.540	0.194	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.540	0.147	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.270	0.081	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.270	0.140	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.270	0.072	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.540	0.310	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.540	0.217	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.540	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.540	0.165	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.540	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.540	0.091	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.540	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.540	0.221	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.540	0.058	1
PFOA/PFOS, Total	0.135	J	ng/g	0.270	0.045	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40 Date Collected: 08/24/22 10:15

Client ID: SB-02 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**73**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42
Client ID: SB-22 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 13:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 02:00
Analyst: WR
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	120	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	5700		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	240		ug/kg	180	23.	1
Nitrobenzene	ND		ug/kg	170	28.	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42 Date Collected: 08/24/22 13:30

Client ID: SB-22 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	3200		ug/kg	110	21.	1
Benzo(a)pyrene	3700		ug/kg	150	45.	1
Benzo(b)fluoranthene	4300		ug/kg	110	31.	1
Benzo(k)fluoranthene	1300		ug/kg	110	30.	1
Chrysene	2900		ug/kg	110	19.	1
Acenaphthylene	400		ug/kg	150	29.	1
Anthracene	500		ug/kg	110	36.	1
Benzo(ghi)perylene	2300		ug/kg	150	22.	1
Fluorene	110	J	ug/kg	180	18.	1
Phenanthrene	1900		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	630		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	150	26.	1
Pyrene	5700		ug/kg	110	18.	1
Biphenyl	28	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	94	J	ug/kg	180	18.	1
2-Methylnaphthalene	75	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	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	180	28.	1
2-Methylphenol	ND		ug/kg	180	29.	1
3-Methylphenol/4-Methylphenol	45	J	ug/kg	270	29.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42 Date Collected: 08/24/22 13:30

Client ID: SB-22 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	210		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	28	8.5	1
Tentatively Identified Compounds						
Total TIC Compounds	7540	J	ug/kg			1
Unknown PAH	654	J	ug/kg			1
Unknown	375	J	ug/kg			1
Unknown	468	J	ug/kg			1
Unknown	815	J	ug/kg			1
Unknown Ketone	276	J	ug/kg			1
Unknown PAH	206	J	ug/kg			1
Unknown Ketone	394	J	ug/kg			1
Unknown PAH	389	J	ug/kg			1
Unknown PAH	580	J	ug/kg			1
Unknown PAH	1280	J	ug/kg			1
Unknown PAH	194	J	ug/kg			1
Unknown PAH	343	J	ug/kg			1
Unknown PAH	908	J	ug/kg			1
Unknown	203	J	ug/kg			1
Unknown PAH	451	J	ug/kg			1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42 Date Collected: 08/24/22 13:30
Client ID: SB-22 (1-3') Date Received: 08/24/22
Sample Location: Not Specified 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	67		25-120
Phenol-d6	74		10-120
Nitrobenzene-d5	74		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	85		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 06:02
Analyst: WR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	220		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	4800		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	140	J	ug/kg	180	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	61.	1
Butyl benzyl phthalate	ND		ug/kg	180	44.	1
Di-n-butylphthalate	ND		ug/kg	180	33.	1
Di-n-octylphthalate	ND		ug/kg	180	60.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44 Date Collected: 08/24/22 13:35

Client ID: SB-22 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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	2400		ug/kg	100	20.	1
Benzo(a)pyrene	2900		ug/kg	140	43.	1
Benzo(b)fluoranthene	3100		ug/kg	100	30.	1
Benzo(k)fluoranthene	940		ug/kg	100	28.	1
Chrysene	2200		ug/kg	100	18.	1
Acenaphthylene	120	J	ug/kg	140	27.	1
Anthracene	730		ug/kg	100	34.	1
Benzo(ghi)perylene	1100		ug/kg	140	21.	1
Fluorene	190		ug/kg	180	17.	1
Phenanthrene	2800		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	290		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	1000		ug/kg	140	24.	1
Pyrene	4400		ug/kg	100	18.	1
Biphenyl	28	J	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	140	J	ug/kg	180	17.	1
2-Methylnaphthalene	64	J	ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	18.	1
Acetophenone	ND		ug/kg	180	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	180	26.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	180	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	250	72.	1
2,4-Dinitrophenol	ND		ug/kg	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44 Date Collected: 08/24/22 13:35

Client ID: SB-22 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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	190		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	26	8.1	1
Tentatively Identified Compounds						
Total TIC Compounds	3180	J	ug/kg			1
Tetrachloroethene	215	NJ	ug/kg			1
Unknown PAH	229	J	ug/kg			1
Unknown PAH	428	J	ug/kg			1
Unknown PAH	205	J	ug/kg			1
Unknown	866	J	ug/kg			1
Unknown	186	J	ug/kg			1
Unknown Thiophene	187	J	ug/kg			1
Unknown	320	J	ug/kg			1
Unknown PAH	547	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	78		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 15:07
Analyst: SG
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.502	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.502	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.251	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.502	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.251	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.251	0.061	1
Perfluorooctanoic Acid (PFOA)	0.048	J	ng/g	0.251	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.502	0.180	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.502	0.137	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.251	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.251	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.251	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.502	0.288	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.502	0.202	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.502	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.502	0.154	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.502	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.502	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.502	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.502	0.206	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.502	0.054	1
PFOA/PFOS, Total	0.048	J	ng/g	0.251	0.042	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44 Date Collected: 08/24/22 13:35

Client ID: SB-22 (4-7') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	48		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	107		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:35
Analyst: WR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

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	ND		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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46 Date Collected: 08/24/22 13:40

Client ID: SB-22 (7-9') Date Received: 08/24/22

Sample Location: Not Specified 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	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	1
Benzo(b)fluoranthene	ND		ug/kg	100	30.	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	21.	1
Fluorene	ND		ug/kg	180	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	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	240	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46 Date Collected: 08/24/22 13:40

Client ID: SB-22 (7-9') Date Received: 08/24/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	67		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	62		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	85		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 15:23
Analyst: SG
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.509	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.509	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.255	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.509	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.255	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.255	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.255	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.509	0.183	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.509	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.255	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.148	J	ng/g	0.255	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.255	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.509	0.292	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.509	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.509	0.156	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.509	0.100	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.509	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.509	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.509	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.509	0.055	1
PFOA/PFOS, Total	0.148	J	ng/g	0.255	0.043	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46 Date Collected: 08/24/22 13:40

Client ID: SB-22 (7-9') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**60**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	59		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**65**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	63		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**68**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**66**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**57**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	57		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**10**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	34		24-159

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46 RE
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 15:07
Analyst: MP
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 09/07/22 12:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	1.54	0.620	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**9**	Q	31-134

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 00:56
Analyst: WR
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	26	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	1100		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	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	360		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	46	J	ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	520		ug/kg	110	21.	1
Benzo(a)pyrene	580		ug/kg	150	46.	1
Benzo(b)fluoranthene	810		ug/kg	110	32.	1
Benzo(k)fluoranthene	260		ug/kg	110	30.	1
Chrysene	600		ug/kg	110	20.	1
Acenaphthylene	62	J	ug/kg	150	29.	1
Anthracene	100	J	ug/kg	110	37.	1
Benzo(ghi)perylene	380		ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	18.	1
Phenanthrene	560		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	100	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	360		ug/kg	150	26.	1
Pyrene	970		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	39	J	ug/kg	190	18.	1
2-Methylnaphthalene	72	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	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	48	J	ug/kg	190	18.	1
1,4-Dioxane	ND		ug/kg	28	8.7	1
Tentatively Identified Compounds						
Total TIC Compounds	399	J	ug/kg			1
Unknown Aldehyde	176	J	ug/kg			1
Unknown	223	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	69		25-120
Phenol-d6	72		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	85		10-136
4-Terphenyl-d14	82		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 15:40
Analyst: SG
Percent Solids: 86%

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.041	J	ng/g	0.545	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.545	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.273	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.545	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.273	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.273	0.066	1
Perfluorooctanoic Acid (PFOA)	0.538		ng/g	0.273	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.545	0.196	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.545	0.149	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.273	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	0.758		ng/g	0.273	0.142	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.273	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.545	0.313	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.545	0.220	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.545	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.545	0.167	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.545	0.107	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.545	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.545	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.545	0.223	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.545	0.059	1
PFOA/PFOS, Total	1.30		ng/g	0.273	0.046	1

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1-3') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	86		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	90		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	89		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**75**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	79		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	82		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	45		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	62		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	106		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/25/22 12:21
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/24/22 09:40

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 33 Batch: WG1678995-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	42		15-110

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 06:04
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1679228-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	0.692		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.687		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	0.226	JF	ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 06:04
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1679228-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**60**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	62		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	82		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	83		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**66**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**62**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	41		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**60**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	51		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	30		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 08/28/22 16:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/24/22 17:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1679228-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90		10-117

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 02:32
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 33 Batch: WG1679728-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	71.3		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/03/22 02:32
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 33 Batch: WG1679728-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	148		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	77		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	104		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	76		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	60		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	26		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	44		22-136

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 21:36
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:07

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 33 Batch: WG1679728-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	101		10-112

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/22 16:50
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 38,40,44,46,48 Batch: WG1679758-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/06/22 16:50
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/25/22 15:57

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 38,40,44,46,48 Batch: WG1679758-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**49**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**54**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**64**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**58**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**59**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**69**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**64**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**59**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**62**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**58**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	83		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	59		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**60**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	56		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**50**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		24-159

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 17:09
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-1					
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	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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 17:09
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 17:09
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-1					
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			
Total TIC Compounds	1890	J	ug/kg
Unknown Phenol	244	J	ug/kg
Unknown	835	J	ug/kg
Unknown	807	J	ug/kg

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/26/22 17:09
Analyst: MG

Extraction Method: EPA 3546
Extraction Date: 08/26/22 03:51

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	48		10-136
4-Terphenyl-d14	73		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 33 Batch: WG1680454-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 33 Batch: WG1680454-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 33 Batch: WG1680454-1					
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	6.36	J	ug/l
Unknown Organic Acid	2.91	J	ug/l
Unknown Organic Acid	1.96	J	ug/l
Unknown	1.49	J	ug/l

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 13:24
Analyst: CMM

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 16:07

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 33 Batch: WG1680454-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	51		21-120
Phenol-d6	46		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	71		15-120
2,4,6-Tribromophenol	73		10-120
4-Terphenyl-d14	87		41-149

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 14:53
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,26,28,30,32 Batch: WG1680504-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 14:53
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,26,28,30,32 Batch: WG1680504-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/28/22 14:53
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/28/22 02:42

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,26,28,30,32 Batch: WG1680504-1					
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	81		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	93		10-136
4-Terphenyl-d14	87		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 07:45
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 33 Batch: WG1680592-1					
Acenaphthene	0.02	J	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	0.04	J	ug/l	0.10	0.02
Benzo(a)pyrene	0.03	J	ug/l	0.10	0.02
Benzo(b)fluoranthene	0.04	J	ug/l	0.10	0.01
Benzo(k)fluoranthene	0.02	J	ug/l	0.10	0.01
Chrysene	0.04	J	ug/l	0.10	0.01
Acenaphthylene	0.02	J	ug/l	0.10	0.01
Anthracene	0.03	J	ug/l	0.10	0.01
Benzo(ghi)perylene	0.02	J	ug/l	0.10	0.01
Fluorene	0.03	J	ug/l	0.10	0.01
Phenanthrene	0.04	J	ug/l	0.10	0.02
Dibenzo(a,h)anthracene	ND		ug/l	0.10	0.01
Indeno(1,2,3-cd)pyrene	0.02	J	ug/l	0.10	0.01
Pyrene	0.03	J	ug/l	0.10	0.02
2-Methylnaphthalene	0.03	J	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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/29/22 07:45
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 12:46

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 33 Batch: WG1680592-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	57		21-120
Phenol-d6	44		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	74		15-120
2,4,6-Tribromophenol	96		10-120
4-Terphenyl-d14	78		41-149

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/22 08:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/28/22 22:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1680703-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/22 08:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/28/22 22:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1680703-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/29/22 08:16
Analyst: CMM

Extraction Method: EPA 3546
Extraction Date: 08/28/22 22:23

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02 Batch: WG1680703-1					
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	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	73		10-136
4-Terphenyl-d14	84		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44,46,48 Batch: WG1681170-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44,46,48 Batch: WG1681170-1					
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 38,40,42,44,46,48 Batch: WG1681170-1					
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					
Total TIC Compounds	985	J	ug/kg		
Unknown	985	J	ug/kg		

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	97		18-120

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/22 09:38
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/07/22 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 46 Batch: WG1684377-1 R					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/22 09:38
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/07/22 12:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 46 Batch: WG1684377-1 R					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**45**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**53**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**58**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**48**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**55**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**65**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**57**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**53**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	42		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**24**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**48**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**6**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**42**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**16**	Q	24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 33 Batch: WG1678995-2 WG1678995-3								
1,4-Dioxane	116		116		40-140	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	40		39		15-110

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 04,06,10,12,15,17,24,26,28,32		Batch: WG1679228-2					
Perfluorobutanoic Acid (PFBA)	101		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	105		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	101		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	103		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	111		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	113		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	102		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	109		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	99		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	114		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	127		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	127		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	110		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	69		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	91		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	95		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	108		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	116		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	121		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1679228-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	64				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	80				74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**65**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81				78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	55				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**58**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	82				79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**9**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	27				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 04,06,10,12,15,17,24,26,28,32		Batch: WG1679228-2					
Perfluorooctanesulfonamide (FOSA)	105		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	88				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 Batch: WG1679728-2								
Perfluorobutanoic Acid (PFBA)	101		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	102		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	106		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	111		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	124		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	113		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	124		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	104		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	114		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	126		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	104		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	103		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	124		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	127		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	99		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	125		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	136		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	116		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	153		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	131		-		59-182	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 Batch: WG1679728-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	94				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	144				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	72				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	85				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	83				62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	58				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	27				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	65				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	49				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	45				22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 Batch: WG1679728-2								
Perfluorooctanesulfonamide (FOSA)	100		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	102				10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 Batch: WG1679758-2								
Perfluorobutanoic Acid (PFBA)	91		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	96		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	85		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	104		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	103		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	102		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	97		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	102		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	81		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	93		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	78		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	94		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	91		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	89		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	86		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	80		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 Batch: WG1679758-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**53**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	59				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**70**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**61**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**62**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**71**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**69**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	65				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**65**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**71**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	95				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	62				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	75				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13				10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	71				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	61				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-2 WG1679938-3								
Acenaphthene	74		66		31-137	11		50
1,2,4-Trichlorobenzene	69		66		38-107	4		50
Hexachlorobenzene	72		70		40-140	3		50
Bis(2-chloroethyl)ether	63		59		40-140	7		50
2-Chloronaphthalene	72		68		40-140	6		50
1,2-Dichlorobenzene	65		60		40-140	8		50
1,3-Dichlorobenzene	64		59		40-140	8		50
1,4-Dichlorobenzene	64		59		28-104	8		50
3,3'-Dichlorobenzidine	71		70		40-140	1		50
2,4-Dinitrotoluene	74		59		40-132	23		50
2,6-Dinitrotoluene	72		63		40-140	13		50
Fluoranthene	74		71		40-140	4		50
4-Chlorophenyl phenyl ether	74		70		40-140	6		50
4-Bromophenyl phenyl ether	73		70		40-140	4		50
Bis(2-chloroisopropyl)ether	54		50		40-140	8		50
Bis(2-chloroethoxy)methane	66		63		40-117	5		50
Hexachlorobutadiene	70		62		40-140	12		50
Hexachlorocyclopentadiene	**35**	Q	**11**	Q	40-140	**104**	Q	50
Hexachloroethane	65		56		40-140	15		50
Isophorone	64		61		40-140	5		50
Naphthalene	71		62		40-140	14		50
Nitrobenzene	65		61		40-140	6		50
NDPA/DPA	74		70		36-157	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-2 WG1679938-3								
n-Nitrosodi-n-propylamine	65		60		32-121	8		50
Bis(2-ethylhexyl)phthalate	86		81		40-140	6		50
Butyl benzyl phthalate	75		72		40-140	4		50
Di-n-butylphthalate	76		70		40-140	8		50
Di-n-octylphthalate	84		78		40-140	7		50
Diethyl phthalate	74		69		40-140	7		50
Dimethyl phthalate	72		67		40-140	7		50
Benzo(a)anthracene	79		73		40-140	8		50
Benzo(a)pyrene	79		69		40-140	14		50
Benzo(b)fluoranthene	78		71		40-140	9		50
Benzo(k)fluoranthene	79		68		40-140	15		50
Chrysene	78		72		40-140	8		50
Acenaphthylene	74		69		40-140	7		50
Anthracene	74		68		40-140	8		50
Benzo(ghi)perylene	74		65		40-140	13		50
Fluorene	76		70		40-140	8		50
Phenanthrene	72		67		40-140	7		50
Dibenzo(a,h)anthracene	72		65		40-140	10		50
Indeno(1,2,3-cd)pyrene	82		74		40-140	10		50
Pyrene	74		70		35-142	6		50
Biphenyl	69		65		37-127	6		50
4-Chloroaniline	68		50		40-140	31		50
2-Nitroaniline	75		74		47-134	1		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-2 WG1679938-3								
3-Nitroaniline	73		74		26-129	1		50
4-Nitroaniline	71		79		41-125	11		50
Dibenzofuran	74		69		40-140	7		50
2-Methylnaphthalene	74		67		40-140	10		50
1,2,4,5-Tetrachlorobenzene	71		66		40-117	7		50
Acetophenone	64		60		14-144	6		50
2,4,6-Trichlorophenol	74		77		30-130	4		50
p-Chloro-m-cresol	77		74		26-103	4		50
2-Chlorophenol	72		67		25-102	7		50
2,4-Dichlorophenol	75		77		30-130	3		50
2,4-Dimethylphenol	72		69		30-130	4		50
2-Nitrophenol	69		37		30-130	**60**	Q	50
4-Nitrophenol	72		49		11-114	38		50
2,4-Dinitrophenol	25		**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	46		**6**	Q	10-130	**156**	Q	50
Pentachlorophenol	51		32		17-109	46		50
Phenol	66		61		26-90	8		50
2-Methylphenol	72		68		30-130.	6		50
3-Methylphenol/4-Methylphenol	79		77		30-130	3		50
2,4,5-Trichlorophenol	74		81		30-130	9		50
Benzoic Acid	**4**	Q	**5**	Q	10-110	5		50
Benzyl Alcohol	70		66		40-140	6		50
Carbazole	75		69		54-128	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1679938-2 WG1679938-3								
1,4-Dioxane	43		**37**	Q	40-140	15		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		70		25-120
Phenol-d6	74		70		10-120
Nitrobenzene-d5	67		62		23-120
2-Fluorobiphenyl	74		68		30-120
2,4,6-Tribromophenol	74		63		10-136
4-Terphenyl-d14	73		69		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 33 Batch: WG1680454-2 WG1680454-3								
Acenaphthene	64		67		37-111	5		30
1,2,4-Trichlorobenzene	63		63		39-98	0		30
Hexachlorobenzene	61		64		40-140	5		30
Bis(2-chloroethyl)ether	58		58		40-140	0		30
2-Chloronaphthalene	62		65		40-140	5		30
1,2-Dichlorobenzene	62		56		40-140	10		30
1,3-Dichlorobenzene	56		53		40-140	6		30
1,4-Dichlorobenzene	58		53		36-97	9		30
3,3'-Dichlorobenzidine	61		62		40-140	2		30
2,4-Dinitrotoluene	64		71		48-143	10		30
2,6-Dinitrotoluene	62		68		40-140	9		30
Fluoranthene	68		68		40-140	0		30
4-Chlorophenyl phenyl ether	67		70		40-140	4		30
4-Bromophenyl phenyl ether	64		64		40-140	0		30
Bis(2-chloroisopropyl)ether	65		54		40-140	18		30
Bis(2-chloroethoxy)methane	67		73		40-140	9		30
Hexachlorobutadiene	55		51		40-140	8		30
Hexachlorocyclopentadiene	54		47		40-140	14		30
Hexachloroethane	58		49		40-140	17		30
Isophorone	62		68		40-140	9		30
Naphthalene	61		64		40-140	5		30
Nitrobenzene	63		62		40-140	2		30
NDPA/DPA	68		75		40-140	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 33 Batch: WG1680454-2 WG1680454-3								
n-Nitrosodi-n-propylamine	66		61		29-132	8		30
Bis(2-ethylhexyl)phthalate	79		80		40-140	1		30
Butyl benzyl phthalate	69		71		40-140	3		30
Di-n-butylphthalate	71		73		40-140	3		30
Di-n-octylphthalate	78		82		40-140	5		30
Diethyl phthalate	69		75		40-140	8		30
Dimethyl phthalate	65		68		40-140	5		30
Benzo(a)anthracene	75		76		40-140	1		30
Benzo(a)pyrene	76		78		40-140	3		30
Benzo(b)fluoranthene	72		78		40-140	8		30
Benzo(k)fluoranthene	76		81		40-140	6		30
Chrysene	74		74		40-140	0		30
Acenaphthylene	64		67		45-123	5		30
Anthracene	67		70		40-140	4		30
Benzo(ghi)perylene	70		69		40-140	1		30
Fluorene	66		71		40-140	7		30
Phenanthrene	66		67		40-140	2		30
Dibenzo(a,h)anthracene	73		72		40-140	1		30
Indeno(1,2,3-cd)pyrene	81		80		40-140	1		30
Pyrene	67		68		26-127	1		30
Biphenyl	66		69		40-140	4		30
4-Chloroaniline	56		56		40-140	0		30
2-Nitroaniline	62		66		52-143	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 33 Batch: WG1680454-2 WG1680454-3								
3-Nitroaniline	62		64		25-145	3		30
4-Nitroaniline	63		67		51-143	6		30
Dibenzofuran	65		71		40-140	9		30
2-Methylnaphthalene	65		67		40-140	3		30
1,2,4,5-Tetrachlorobenzene	63		66		2-134	5		30
Acetophenone	66		66		39-129	0		30
2,4,6-Trichlorophenol	68		71		30-130	4		30
p-Chloro-m-cresol	67		74		23-97	10		30
2-Chlorophenol	58		62		27-123	7		30
2,4-Dichlorophenol	69		77		30-130	11		30
2,4-Dimethylphenol	64		72		30-130	12		30
2-Nitrophenol	62		70		30-130	12		30
4-Nitrophenol	51		62		10-80	19		30
2,4-Dinitrophenol	59		67		20-130	13		30
4,6-Dinitro-o-cresol	57		62		20-164	8		30
Pentachlorophenol	56		64		9-103	13		30
Phenol	44		47		12-110	7		30
2-Methylphenol	64		64		30-130	0		30
3-Methylphenol/4-Methylphenol	61		62		30-130	2		30
2,4,5-Trichlorophenol	68		72		30-130	6		30
Benzoic Acid	**0**	Q	**0**	Q	10-164	NC		30
Benzyl Alcohol	61		54		26-116	12		30
Carbazole	70		72		55-144	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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

Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 33 Batch: WG1680454-2 WG1680454-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	55		54		21-120
Phenol-d6	40		45		10-120
Nitrobenzene-d5	64		63		23-120
2-Fluorobiphenyl	62		68		15-120
2,4,6-Tribromophenol	59		61		10-120
4-Terphenyl-d14	71		68		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28,30,32 Batch: WG1680504-2 WG1680504-3								
Acenaphthene	85		79		31-137	7		50
1,2,4-Trichlorobenzene	85		78		38-107	9		50
Hexachlorobenzene	93		85		40-140	9		50
Bis(2-chloroethyl)ether	76		70		40-140	8		50
2-Chloronaphthalene	87		80		40-140	8		50
1,2-Dichlorobenzene	81		72		40-140	12		50
1,3-Dichlorobenzene	80		73		40-140	9		50
1,4-Dichlorobenzene	79		71		28-104	11		50
3,3'-Dichlorobenzidine	68		64		40-140	6		50
2,4-Dinitrotoluene	90		83		40-132	8		50
2,6-Dinitrotoluene	90		83		40-140	8		50
Fluoranthene	86		80		40-140	7		50
4-Chlorophenyl phenyl ether	90		84		40-140	7		50
4-Bromophenyl phenyl ether	90		84		40-140	7		50
Bis(2-chloroisopropyl)ether	63		58		40-140	8		50
Bis(2-chloroethoxy)methane	80		73		40-117	9		50
Hexachlorobutadiene	87		79		40-140	10		50
Hexachlorocyclopentadiene	46		**39**	Q	40-140	16		50
Hexachloroethane	82		74		40-140	10		50
Isophorone	77		70		40-140	10		50
Naphthalene	84		76		40-140	10		50
Nitrobenzene	81		69		40-140	16		50
NDPA/DPA	90		83		36-157	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28,30,32 Batch: WG1680504-2 WG1680504-3								
n-Nitrosodi-n-propylamine	77		71		32-121	8		50
Bis(2-ethylhexyl)phthalate	98		92		40-140	6		50
Butyl benzyl phthalate	89		84		40-140	6		50
Di-n-butylphthalate	89		83		40-140	7		50
Di-n-octylphthalate	94		89		40-140	5		50
Diethyl phthalate	89		84		40-140	6		50
Dimethyl phthalate	88		82		40-140	7		50
Benzo(a)anthracene	90		84		40-140	7		50
Benzo(a)pyrene	92		84		40-140	9		50
Benzo(b)fluoranthene	91		85		40-140	7		50
Benzo(k)fluoranthene	91		84		40-140	8		50
Chrysene	92		85		40-140	8		50
Acenaphthylene	89		82		40-140	8		50
Anthracene	86		79		40-140	8		50
Benzo(ghi)perylene	84		78		40-140	7		50
Fluorene	90		83		40-140	8		50
Phenanthrene	85		79		40-140	7		50
Dibenzo(a,h)anthracene	85		79		40-140	7		50
Indeno(1,2,3-cd)pyrene	94		88		40-140	7		50
Pyrene	86		81		35-142	6		50
Biphenyl	83		76		37-127	9		50
4-Chloroaniline	55		51		40-140	8		50
2-Nitroaniline	91		82		47-134	10		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28,30,32 Batch: WG1680504-2 WG1680504-3								
3-Nitroaniline	76		73		26-129	4		50
4-Nitroaniline	84		77		41-125	9		50
Dibenzofuran	88		82		40-140	7		50
2-Methylnaphthalene	87		81		40-140	7		50
1,2,4,5-Tetrachlorobenzene	88		80		40-117	10		50
Acetophenone	77		69		14-144	11		50
2,4,6-Trichlorophenol	91		82		30-130	10		50
p-Chloro-m-cresol	92		84		26-103	9		50
2-Chlorophenol	86		78		25-102	10		50
2,4-Dichlorophenol	91		83		30-130	9		50
2,4-Dimethylphenol	86		78		30-130	10		50
2-Nitrophenol	82		75		30-130	9		50
4-Nitrophenol	82		80		11-114	2		50
2,4-Dinitrophenol	29		31		4-130	7		50
4,6-Dinitro-o-cresol	80		74		10-130	8		50
Pentachlorophenol	61		56		17-109	9		50
Phenol	76		70		26-90	8		50
2-Methylphenol	85		78		30-130.	9		50
3-Methylphenol/4-Methylphenol	93		86		30-130	8		50
2,4,5-Trichlorophenol	92		84		30-130	9		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	83		74		40-140	11		50
Carbazole	87		82		54-128	6		50

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,26,28,30,32 Batch: WG1680504-2 WG1680504-3								
1,4-Dioxane	54		48		40-140	12		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	92		83		25-120
Phenol-d6	92		82		10-120
Nitrobenzene-d5	84		74		23-120
2-Fluorobiphenyl	92		85		30-120
2,4,6-Tribromophenol	102		93		10-136
4-Terphenyl-d14	91		85		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 33 Batch: WG1680592-2 WG1680592-3								
Acenaphthene	77		79		40-140	3		40
2-Chloronaphthalene	69		72		40-140	4		40
Fluoranthene	72		76		40-140	5		40
Hexachlorobutadiene	65		68		40-140	5		40
Naphthalene	70		76		40-140	8		40
Benzo(a)anthracene	78		82		40-140	5		40
Benzo(a)pyrene	67		68		40-140	1		40
Benzo(b)fluoranthene	78		78		40-140	0		40
Benzo(k)fluoranthene	76		80		40-140	5		40
Chrysene	76		79		40-140	4		40
Acenaphthylene	67		70		40-140	4		40
Anthracene	74		76		40-140	3		40
Benzo(ghi)perylene	72		72		40-140	0		40
Fluorene	78		79		40-140	1		40
Phenanthrene	72		75		40-140	4		40
Dibenzo(a,h)anthracene	76		76		40-140	0		40
Indeno(1,2,3-cd)pyrene	76		76		40-140	0		40
Pyrene	72		76		40-140	5		40
2-Methylnaphthalene	72		77		40-140	7		40
Pentachlorophenol	67		73		40-140	9		40
Hexachlorobenzene	82		80		40-140	2		40
Hexachloroethane	65		68		40-140	5		40

Lab Control Sample Analysis

Batch Quality Control

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Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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

Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 33 Batch: WG1680592-2 WG1680592-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		67		21-120
Phenol-d6	52		56		10-120
Nitrobenzene-d5	78		84		23-120
2-Fluorobiphenyl	71		76		15-120
2,4,6-Tribromophenol	95		97		10-120
4-Terphenyl-d14	73		74		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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: WG1680703-2 WG1680703-3								
Acenaphthene	58		55		31-137	5		50
1,2,4-Trichlorobenzene	57		53		38-107	7		50
Hexachlorobenzene	57		53		40-140	7		50
Bis(2-chloroethyl)ether	60		55		40-140	9		50
2-Chloronaphthalene	57		54		40-140	5		50
1,2-Dichlorobenzene	57		52		40-140	9		50
1,3-Dichlorobenzene	57		52		40-140	9		50
1,4-Dichlorobenzene	56		52		28-104	7		50
3,3'-Dichlorobenzidine	47		49		40-140	4		50
2,4-Dinitrotoluene	59		56		40-132	5		50
2,6-Dinitrotoluene	56		52		40-140	7		50
Fluoranthene	58		54		40-140	7		50
4-Chlorophenyl phenyl ether	57		54		40-140	5		50
4-Bromophenyl phenyl ether	57		53		40-140	7		50
Bis(2-chloroisopropyl)ether	62		59		40-140	5		50
Bis(2-chloroethoxy)methane	58		55		40-117	5		50
Hexachlorobutadiene	56		51		40-140	9		50
Hexachlorocyclopentadiene	46		42		40-140	9		50
Hexachloroethane	56		52		40-140	7		50
Isophorone	56		53		40-140	6		50
Naphthalene	59		54		40-140	9		50
Nitrobenzene	58		54		40-140	7		50
NDPA/DPA	59		55		36-157	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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: WG1680703-2 WG1680703-3								
n-Nitrosodi-n-propylamine	58		54		32-121	7		50
Bis(2-ethylhexyl)phthalate	58		55		40-140	5		50
Butyl benzyl phthalate	59		54		40-140	9		50
Di-n-butylphthalate	59		55		40-140	7		50
Di-n-octylphthalate	58		55		40-140	5		50
Diethyl phthalate	57		53		40-140	7		50
Dimethyl phthalate	55		52		40-140	6		50
Benzo(a)anthracene	56		54		40-140	4		50
Benzo(a)pyrene	60		57		40-140	5		50
Benzo(b)fluoranthene	59		58		40-140	2		50
Benzo(k)fluoranthene	60		55		40-140	9		50
Chrysene	57		54		40-140	5		50
Acenaphthylene	57		53		40-140	7		50
Anthracene	60		57		40-140	5		50
Benzo(ghi)perylene	57		55		40-140	4		50
Fluorene	58		54		40-140	7		50
Phenanthrene	57		54		40-140	5		50
Dibenzo(a,h)anthracene	58		55		40-140	5		50
Indeno(1,2,3-cd)pyrene	63		60		40-140	5		50
Pyrene	58		55		35-142	5		50
Biphenyl	56		53		37-127	6		50
4-Chloroaniline	57		56		40-140	2		50
2-Nitroaniline	57		54		47-134	5		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

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: WG1680703-2 WG1680703-3								
3-Nitroaniline	52		51		26-129	2		50
4-Nitroaniline	59		56		41-125	5		50
Dibenzofuran	59		55		40-140	7		50
2-Methylnaphthalene	59		55		40-140	7		50
1,2,4,5-Tetrachlorobenzene	55		52		40-117	6		50
Acetophenone	55		52		14-144	6		50
2,4,6-Trichlorophenol	57		54		30-130	5		50
p-Chloro-m-cresol	60		56		26-103	7		50
2-Chlorophenol	60		57		25-102	5		50
2,4-Dichlorophenol	59		56		30-130	5		50
2,4-Dimethylphenol	62		58		30-130	7		50
2-Nitrophenol	56		54		30-130	4		50
4-Nitrophenol	63		58		11-114	8		50
2,4-Dinitrophenol	39		49		4-130	23		50
4,6-Dinitro-o-cresol	53		52		10-130	2		50
Pentachlorophenol	47		49		17-109	4		50
Phenol	63		59		26-90	7		50
2-Methylphenol	61		58		30-130.	5		50
3-Methylphenol/4-Methylphenol	66		62		30-130	6		50
2,4,5-Trichlorophenol	58		55		30-130	5		50
Benzoic Acid	21		45		10-110	**73**	Q	50
Benzyl Alcohol	61		56		40-140	9		50
Carbazole	60		56		54-128	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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: WG1680703-2 WG1680703-3								
1,4-Dioxane	48		41		40-140	16		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	67		63		25-120
Phenol-d6	67		64		10-120
Nitrobenzene-d5	62		59		23-120
2-Fluorobiphenyl	59		56		30-120
2,4,6-Tribromophenol	58		55		10-136
4-Terphenyl-d14	62		58		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1681170-2 WG1681170-3								
Acenaphthene	73		67		31-137	9		50
1,2,4-Trichlorobenzene	73		68		38-107	7		50
Hexachlorobenzene	77		70		40-140	10		50
Bis(2-chloroethyl)ether	69		66		40-140	4		50
2-Chloronaphthalene	76		68		40-140	11		50
1,2-Dichlorobenzene	67		65		40-140	3		50
1,3-Dichlorobenzene	63		62		40-140	2		50
1,4-Dichlorobenzene	64		62		28-104	3		50
3,3'-Dichlorobenzidine	69		61		40-140	12		50
2,4-Dinitrotoluene	72		66		40-132	9		50
2,6-Dinitrotoluene	80		70		40-140	13		50
Fluoranthene	75		68		40-140	10		50
4-Chlorophenyl phenyl ether	76		67		40-140	13		50
4-Bromophenyl phenyl ether	76		68		40-140	11		50
Bis(2-chloroisopropyl)ether	66		63		40-140	5		50
Bis(2-chloroethoxy)methane	73		67		40-117	9		50
Hexachlorobutadiene	68		63		40-140	8		50
Hexachlorocyclopentadiene	85		75		40-140	13		50
Hexachloroethane	65		63		40-140	3		50
Isophorone	74		68		40-140	8		50
Naphthalene	70		64		40-140	9		50
Nitrobenzene	71		68		40-140	4		50
NDPA/DPA	78		70		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1681170-2 WG1681170-3								
n-Nitrosodi-n-propylamine	76		71		32-121	7		50
Bis(2-ethylhexyl)phthalate	77		68		40-140	12		50
Butyl benzyl phthalate	75		68		40-140	10		50
Di-n-butylphthalate	77		69		40-140	11		50
Di-n-octylphthalate	71		63		40-140	12		50
Diethyl phthalate	78		70		40-140	11		50
Dimethyl phthalate	84		74		40-140	13		50
Benzo(a)anthracene	74		66		40-140	11		50
Benzo(a)pyrene	75		67		40-140	11		50
Benzo(b)fluoranthene	75		69		40-140	8		50
Benzo(k)fluoranthene	72		64		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	80		71		40-140	12		50
Anthracene	76		68		40-140	11		50
Benzo(ghi)perylene	69		62		40-140	11		50
Fluorene	76		68		40-140	11		50
Phenanthrene	72		65		40-140	10		50
Dibenzo(a,h)anthracene	73		65		40-140	12		50
Indeno(1,2,3-cd)pyrene	79		71		40-140	11		50
Pyrene	75		67		35-142	11		50
Biphenyl	76		68		37-127	11		50
4-Chloroaniline	70		52		40-140	30		50
2-Nitroaniline	84		74		47-134	13		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1681170-2 WG1681170-3								
3-Nitroaniline	67		59		26-129	13		50
4-Nitroaniline	77		69		41-125	11		50
Dibenzofuran	74		66		40-140	11		50
2-Methylnaphthalene	74		67		40-140	10		50
1,2,4,5-Tetrachlorobenzene	75		68		40-117	10		50
Acetophenone	72		67		14-144	7		50
2,4,6-Trichlorophenol	87		75		30-130	15		50
p-Chloro-m-cresol	83		72		26-103	14		50
2-Chlorophenol	73		68		25-102	7		50
2,4-Dichlorophenol	82		72		30-130	13		50
2,4-Dimethylphenol	82		76		30-130	8		50
2-Nitrophenol	77		73		30-130	5		50
4-Nitrophenol	74		66		11-114	11		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	78		72		10-130	8		50
Pentachlorophenol	70		64		17-109	9		50
Phenol	81		75		26-90	8		50
2-Methylphenol	77		70		30-130.	10		50
3-Methylphenol/4-Methylphenol	78		71		30-130	9		50
2,4,5-Trichlorophenol	86		77		30-130	11		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	77		71		40-140	8		50
Carbazole	75		67		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1681170-2 WG1681170-3								
1,4-Dioxane	44		45		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		74		25-120
Phenol-d6	81		76		10-120
Nitrobenzene-d5	75		69		23-120
2-Fluorobiphenyl	81		72		30-120
2,4,6-Tribromophenol	87		79		10-136
4-Terphenyl-d14	81		73		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 46 Batch: WG1684377-2								
Perfluorobutanoic Acid (PFBA)	84		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	82		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	86		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	82		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	83		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	102		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	83		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	91		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	98		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	82		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	89		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	75		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	93		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	104		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	103		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	106		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	101		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	74		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	86		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 46 Batch: WG1684377-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**53**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	60				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**61**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**53**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**60**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**67**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**60**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	57				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**56**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**63**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**65**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**29**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**53**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**8**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q			34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**45**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	24				24-159

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,10,12,15,17,24,26,28,32 QC Batch ID: WG1679228-3 WG1679228-4 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
Perfluorobutanoic Acid (PFBA)	ND	5.12	5.36	105		5.28	104		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.12	5.45	106		5.40	106		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.55	4.63	102		4.67	104		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	ND	5.12	5.54	108		5.49	108		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.12	5.58	109		5.36	106		71-131	4		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.68	5.35	114		5.39	116		67-130	1		30
Perfluorooctanoic Acid (PFOA)	ND	5.12	5.30	103		5.72	113		69-133	8		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.88	5.34	109		5.34	110		64-140	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.89	5.96	122		5.36	111		70-132	11		30
Perfluorononanoic Acid (PFNA)	ND	5.12	6.10	119		6.00	118		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.76	5.54	116		4.95	105		68-136	11		30
Perfluorodecanoic Acid (PFDA)	ND	5.12	5.05	99		5.41	107		69-133	7		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.92	5.48	111		6.85	**141**	Q	65-137	22		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.12	3.35	65		5.24	103		63-144	**44**	Q	30
Perfluoroundecanoic Acid (PFUnA)	ND	5.12	6.40	125		6.01	118		64-136	6		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.95	4.51	91		3.73	76		59-134	19		30
Perfluorooctanesulfonamide (FOSA)	ND	5.12	5.50F	107		5.34	105		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.084JB	5.12	4.85	93		4.26	82		61-139	13		30
Perfluorododecanoic Acid (PFDoA)	ND	5.12	5.18	101		5.81	114		69-135	11		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.12	5.91	115		5.85	115		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.12	7.36	**144**	Q	5.40	106		69-133	**31**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,10,12,15,17,24,26,28,32 QC Batch ID: WG1679228-3 WG1679228-4 QC Sample: L2245374-10 Client ID: SB-06 (7-9')

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	66		55		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		65		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**23**	Q	**30**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**27**	Q	**21**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		76		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		83		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		84		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		95		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	74		76		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	46		64		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	80		81		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		17		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		96		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		81		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	75		78		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		95		74-139

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679728-3 QC Sample: L2246010-01 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	8.00	38.3	46.6	101		-	-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	17.2	38.3	56.3	102		-	-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	6.50	34	41.1	102		-	-		65-157	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	36	41.7F	116		-	-		37-219	-		30
Perfluorohexanoic Acid (PFHxA)	12.1	38.3	54.3	110		-	-		69-168	-		30
Perfluoropentanesulfonic Acid (PFPeS)	0.265J	36.1	38.5	106		-	-		52-156	-		30
Perfluoroheptanoic Acid (PFHpA)	4.44	38.3	46.8	110		-	-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	1.38J	35	43.1	119		-	-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	9.54F	38.3	54.0F	116		-	-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	36.7B	36.5	62.6	71		-	-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	36.6	39.0	107		-	-		61-179	-		30
Perfluorononanoic Acid (PFNA)	0.331JF	38.3	45.4F	118		-	-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	4.22F	35.6	48.3	124		-	-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	ND	38.3	39.2F	102		-	-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	36.8	40.9	111		-	-		56-173	-		30
Perfluorononanesulfonic Acid (PFNS)	ND	36.9	43.3	117		-	-		48-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	38.3	57.7F	150		-	-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	38.3	48.8	127		-	-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	37	31.4	85		-	-		38-156	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	38.3	51.0	133		-	-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	ND	38.3	44.8	117		-	-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	38.3	58.0F	151		-	-		48-158	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679728-3 QC Sample: L2246010-01 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	38.3	48.0F	125		-	-		59-182	-		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129				10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**200**	Q			12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116				14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78				27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	74				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	58				55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85				62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	108				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90				71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	50				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	50				22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	160				62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98				62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96				59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104				70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 QC Batch ID: WG1679758-3 QC Sample: L2245374-38 Client ID: SB-02 (1-3')												
Perfluorobutanoic Acid (PFBA)	ND	4.98	4.68	94		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	4.98	4.60	92		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.42	4.18	95		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	ND	4.98	4.68	94		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.98	4.90	98		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.55	4.92	108		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.107JF	4.98	4.62	91		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.74	4.97	105		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.75	5.04	106		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	4.98	4.50	90		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.62	4.87	105		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	4.98	5.09	102		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.78	4.54	95		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	4.98	4.63	93		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.98	5.65	113		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.81	3.93	82		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	4.98	4.69	94		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.98	4.96	100		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	4.98	4.62	93		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.98	4.42	89		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.98	5.56	112		-	-		69-133	-		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 QC Batch ID: WG1679758-3 QC Sample: L2245374-38 Client ID: SB-02 (1-3')

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	140				19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	81				20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	47				34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	39				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	88				61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84				75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88				66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87				71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91				78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	97				24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	84				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88				58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28				10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84				79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91				75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93				72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85				74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1679938-4 WG1679938-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
Acenaphthene	ND	1430	1300	91		1000	71		31-137	26		50
1,2,4-Trichlorobenzene	ND	1430	1300	91		1100	78		38-107	17		50
Hexachlorobenzene	ND	1430	1300	91		1100	78		40-140	17		50
Bis(2-chloroethyl)ether	ND	1430	1200	84		990	70		40-140	19		50
2-Chloronaphthalene	ND	1430	1300	91		1100	78		40-140	17		50
1,2-Dichlorobenzene	ND	1430	1200	84		1000	71		40-140	18		50
1,3-Dichlorobenzene	ND	1430	1100	77		980	69		40-140	12		50
1,4-Dichlorobenzene	ND	1430	1100	77		980	69		28-104	12		50
3,3'-Dichlorobenzidine	ND	1430	1100	77		910	64		40-140	19		50
2,4-Dinitrotoluene	ND	1430	1200	84		990	70		40-132	19		50
2,6-Dinitrotoluene	ND	1430	1200	84		1000	71		40-140	18		50
Fluoranthene	ND	1430	1300	91		1100	78		40-140	17		50
4-Chlorophenyl phenyl ether	ND	1430	1300	91		1100	78		40-140	17		50
4-Bromophenyl phenyl ether	ND	1430	1300	91		1100	78		40-140	17		50
Bis(2-chloroisopropyl)ether	ND	1430	980	68		830	59		40-140	17		50
Bis(2-chloroethoxy)methane	ND	1430	1200	84		1000	71		40-117	18		50
Hexachlorobutadiene	ND	1430	1200	84		1000	71		40-140	18		50
Hexachlorocyclopentadiene	ND	1430	200J	**14**	Q	190J	**13**	Q	40-140	5		50
Hexachloroethane	ND	1430	1000	70		900	64		40-140	11		50
Isophorone	ND	1430	1200	84		980	69		40-140	20		50
Naphthalene	ND	1430	1200	84		1000	71		40-140	18		50
Nitrobenzene	ND	1430	1200	84		1000	71		40-140	18		50
NDPA/DPA	ND	1430	1300	91		1100	78		36-157	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1679938-4 WG1679938-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
n-Nitrosodi-n-propylamine	ND	1430	1200	84		990	70		32-121	19		50
Bis(2-ethylhexyl)phthalate	ND	1430	1500	100		1200	85		40-140	22		50
Butyl benzyl phthalate	ND	1430	1300	91		1100	78		40-140	17		50
Di-n-butylphthalate	ND	1430	1300	91		1100	78		40-140	17		50
Di-n-octylphthalate	ND	1430	1400	98		1200	85		40-140	15		50
Diethyl phthalate	ND	1430	1300	91		1100	78		40-140	17		50
Dimethyl phthalate	ND	1430	1300	91		1000	71		40-140	26		50
Benzo(a)anthracene	ND	1430	1300	91		1100	78		40-140	17		50
Benzo(a)pyrene	ND	1430	1300	91		1100	78		40-140	17		50
Benzo(b)fluoranthene	ND	1430	1300	91		1100	78		40-140	17		50
Benzo(k)fluoranthene	ND	1430	1300	91		1000	71		40-140	26		50
Chrysene	ND	1430	1300	91		1100	78		40-140	17		50
Acenaphthylene	ND	1430	1300	91		1100	78		40-140	17		50
Anthracene	ND	1430	1300	91		1000	71		40-140	26		50
Benzo(ghi)perylene	ND	1430	1200	84		970	68		40-140	21		50
Fluorene	ND	1430	1300	91		1100	78		40-140	17		50
Phenanthrene	ND	1430	1200	84		1000	71		40-140	18		50
Dibenzo(a,h)anthracene	ND	1430	1200	84		990	70		40-140	19		50
Indeno(1,2,3-cd)pyrene	ND	1430	1300	91		1100	78		40-140	17		50
Pyrene	ND	1430	1300	91		1100	78		35-142	17		50
Biphenyl	ND	1430	1200	84		1000	71		37-127	18		50
4-Chloroaniline	ND	1430	840	59		720	51		40-140	15		50
2-Nitroaniline	ND	1430	1300	91		1100	78		47-134	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1679938-4 WG1679938-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
3-Nitroaniline	ND	1430	1400	98		1100	78		26-129	24		50
4-Nitroaniline	ND	1430	1400	98		1100	78		41-125	24		50
Dibenzofuran	ND	1430	1300	91		1100	78		40-140	17		50
2-Methylnaphthalene	ND	1430	1300	91		1100	78		40-140	17		50
1,2,4,5-Tetrachlorobenzene	ND	1430	1300	91		1100	78		40-117	17		50
Acetophenone	ND	1430	1200	84		980	69		14-144	20		50
2,4,6-Trichlorophenol	ND	1430	1200	84		1100	78		30-130	9		50
p-Chloro-m-cresol	ND	1430	1400	98		1100	78		26-103	24		50
2-Chlorophenol	ND	1430	1300	91		1100	78		25-102	17		50
2,4-Dichlorophenol	ND	1430	1400	98		1200	85		30-130	15		50
2,4-Dimethylphenol	ND	1430	1300	91		1000	71		30-130	26		50
2-Nitrophenol	ND	1430	750	52		730	52		30-130	3		50
4-Nitrophenol	ND	1430	660	46		640	45		11-114	3		50
2,4-Dinitrophenol	ND	1430	ND	**0**	Q	ND	**0**	Q	4-130	NC		50
4,6-Dinitro-o-cresol	ND	1430	150J	10		140J	**10**		10-130	7		50
Pentachlorophenol	ND	1430	460	32		450	32		17-109	2		50
Phenol	ND	1430	1200	84		980	69		26-90	20		50
2-Methylphenol	ND	1430	1300	91		1100	78		30-130.	17		50
3-Methylphenol/4-Methylphenol	ND	1430	1400	98		1200	85		30-130	15		50
2,4,5-Trichlorophenol	ND	1430	1300	91		1100	78		30-130	17		50
Benzoic Acid	ND	1430	ND	**0**	Q	ND	**0**	Q	10-110	NC		50
Benzyl Alcohol	ND	1430	1200	84		1100	78		40-140	9		50
Carbazole	ND	1430	1300	91		1100	78		54-128	17		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1679938-4 WG1679938-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
1,4-Dioxane	ND	1430	650	45		590	42		40-140	10		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	85		73		10-136
2-Fluorobiphenyl	89		76		30-120
2-Fluorophenol	91		81		25-120
4-Terphenyl-d14	86		74		18-120
Nitrobenzene-d5	83		72		23-120
Phenol-d6	90		79		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 46 QC Batch ID: WG1684377-3 WG1684377-4 QC Sample: L2246461-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.62	5.08	90		5.18	92		71-135	2		30
Perfluoropentanoic Acid (PFPeA)	ND	5.62	5.22	93		5.19	92		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.99	4.64	93		4.70	94		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.27	5.19	98		5.49	104		62-145	6		30
Perfluorohexanoic Acid (PFHxA)	ND	5.62	5.28	94		5.26	93		70-132	0		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.3	5.32	100		5.12	96		73-123	4		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.62	5.30	94		5.38	96		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	5.14	5.55	108		5.66	110		67-130	2		30
Perfluorooctanoic Acid (PFOA)	ND	5.62	4.93	88		4.88	87		69-133	1		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.35	5.69	106		5.59	104		64-140	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.36	4.61	86		4.62	86		70-132	0		30
Perfluorononanoic Acid (PFNA)	ND	5.62	4.32	77		4.36	77		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	0.175J	5.22	4.67	86		4.77	88		68-136	2		30
Perfluorodecanoic Acid (PFDA)	ND	5.62	4.61	82		4.80	85		69-133	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.4	5.36	99		4.52	84		65-137	17		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.41	3.56	**66**	Q	3.56	**66**	Q	69-125	0		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.62	4.62	82		4.80	85		63-144	4		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.62	6.92	123		6.48	115		64-136	7		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.43	2.30	**42**	Q	2.29	**42**	Q	59-134	0		30
Perfluorooctanesulfonamide (FOSA)	ND	5.62	4.89F	87		5.21F	93		67-137	6		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.62	7.04	125		7.75	138		61-139	10		30
Perfluorododecanoic Acid (PFDoA)	ND	5.62	5.24	93		5.51	98		69-135	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 46 QC Batch ID: WG1684377-3 WG1684377-4 QC Sample: L2246461-03 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.62	2.64	**47**	Q	2.97	**53**	Q	66-139	12		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.62	3.54F	**63**	Q	3.20F	**57**	Q	69-133	10		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	22		22		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	30		29		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	27		27		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**3**	Q	**4**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**4**	Q	**6**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**20**	Q	**21**	Q	61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**29**	Q	**29**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**32**	Q	**33**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**32**	Q	**32**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**35**	Q	**34**	Q	78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**12**	Q	**13**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**1**	Q	**2**	Q	24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**35**	Q	**35**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**36**	Q	**37**	Q	58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	11		10		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**33**	Q	**31**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**34**	Q	**34**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**35**	Q	**36**	Q	72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**36**	Q	**34**	Q	74-139

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample						
Perfluorobutanoic Acid (PFBA)	22.4	21.2	ng/l	6		30
Perfluoropentanoic Acid (PFPeA)	23.0	21.2	ng/l	8		30
Perfluorobutanesulfonic Acid (PFBS)	0.679J	0.623J	ng/l	NC		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	ND	ng/l	NC		30
Perfluorohexanoic Acid (PFHxA)	11.2	10.3	ng/l	8		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	ND	ng/l	NC		30
Perfluoroheptanoic Acid (PFHpA)	3.21	2.97	ng/l	8		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/l	NC		30
Perfluorooctanoic Acid (PFOA)	3.60F	4.19F	ng/l	15		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	3.73B	63.8	ng/l	**178**	Q	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	1.37JF	1.02JF	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.14J	1.48JF	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	0.334JF	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
Perfluorononanesulfonic Acid (PFNS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample						
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		91		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	140		149		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		90		70-131
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	147	Q	142		12-142
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		74		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	90		92		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	73		74		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		89		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	114		115		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		85		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		86		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		86		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	84		96		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		77		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	62		62		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	29		12		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		88		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**47**	Q	51		48-131

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679728-4 QC Sample: L2245679-02 Client ID: DUP Sample

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41		43		22-136

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 QC Batch ID: WG1679758-4 QC Sample: L2245374-40 Client ID: SB-02 (8-10')						
Perfluorobutanoic Acid (PFBA)	ND	ND	ng/g	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ng/g	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ng/g	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ng/g	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ng/g	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ng/g	NC		30
Perfluorooctanoic Acid (PFOA)	0.135J	0.134J	ng/g	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ng/g	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/g	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ng/g	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/g	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/g	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/g	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/g	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/g	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/g	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/g	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/g	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/g	NC		30

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 38,40,44,46,48 QC Batch ID: WG1679758-4 QC Sample: L2245374-40 Client ID: SB-02 (8-10')						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/g	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	85		88		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		101		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		94		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		93		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		104		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		83		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		89		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		95		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**73**	Q	**76**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		76		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	72		71		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		111		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		85		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	111		117		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47		45		24-159

PETROLEUM HYDROCARBONS

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-19
Client ID: WC-03 (1')
Sample Location: Not Specified

Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/25/22 03:26
Analyst: BAD
Percent Solids: 92%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	910	J	ug/kg	2700	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	85		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-20
Client ID: WC-03
Sample Location: Not Specified

Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/29/22 00:30
Analyst: JB
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	700		mg/kg	25.5	25.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		40-140
o-Terphenyl	83		40-140

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-21
Client ID: WC-07 (2')
Sample Location: Not Specified

Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/25/22 03:57
Analyst: BAD
Percent Solids: 85%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	890	J	ug/kg	2900	56.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	88		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-22
Client ID: WC-07
Sample Location: Not Specified

Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/29/22 01:01
Analyst: JB
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 18:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	796		mg/kg	28.2	28.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	70		40-140

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-35
Client ID: WC-15(6')
Sample Location: Not Specified

Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 11:16
Analyst: BAD
Percent Solids: 96%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1300	J	ug/kg	2600	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	93		70-130
4-Bromofluorobenzene	85		70-130

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-36
Client ID: WC-15
Sample Location: Not Specified

Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/29/22 09:04
Analyst: JB
Percent Solids: 96%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 00:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	23.5	23.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	68		40-140
o-Terphenyl	71		40-140

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 10:42
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 35 Batch: WG1679592-14					
Gasoline Range Organics	840	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	90		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/24/22 20:17
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 19,21 Batch: WG1679592-4					
Gasoline Range Organics	870	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100		70-130
4-Bromofluorobenzene	82		70-130

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/28/22 13:59
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/27/22 05:59

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 20,22 Batch: WG1680345-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	70		40-140

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/29/22 09:04
Analyst: JB

Extraction Method: EPA 3546
Extraction Date: 08/28/22 00:10

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 36 Batch: WG1680494-1					
Total EPH	ND		mg/kg	22.6	22.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 35		Batch: WG1679592-12 WG1679592-13					
Gasoline Range Organics	92		95		80-120	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	106		105		70-130
4-Bromofluorobenzene	95		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 19,21		Batch: WG1679592-2		WG1679592-3			
Gasoline Range Organics	81		89		80-120	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	100		100		70-130
4-Bromofluorobenzene	82		84		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 20,22 Batch: WG1680345-2 WG1680345-3								
Total EPH	68		88		40-140	**26**	Q	25
Nonane (C9)	61		83		40-140	**31**	Q	25
Decane (C10)	61		84		40-140	**32**	Q	25
Dodecane (C12)	60		81		40-140	**30**	Q	25
Tetradecane (C14)	59		78		40-140	**28**	Q	25
Hexadecane (C16)	59		77		40-140	**26**	Q	25
Octadecane (C18)	58		77		40-140	**28**	Q	25
Eicosane (C20)	58		78		40-140	**29**	Q	25
Heneicosane (C21)	57		78		40-140	**31**	Q	25
Docosane (C22)	58		78		40-140	**29**	Q	25
Tetracosane (C24)	58		78		40-140	**29**	Q	25
Hexacosane (C26)	58		77		40-140	**28**	Q	25
Octacosane (C28)	56		78		40-140	**33**	Q	25
Triacontane (C30)	59		78		40-140	**28**	Q	25
Dotriacontane (C32)	59		78		40-140	**28**	Q	25
Tetratriacontane (C34)	58		77		40-140	**28**	Q	25
Hexatriacontane (C36)	60		82		40-140	**31**	Q	25
Octatriacontane (C38)	65		88		40-140	**30**	Q	25
Tetracontane (C40)	72		97		40-140	**30**	Q	25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 20,22		Batch: WG1680345-2 WG1680345-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	56		76		40-140
o-Terphenyl	56		76		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 36 Batch: WG1680494-2 WG1680494-3								
Total EPH	89		78		40-140	13		25
Nonane (C9)	87		60		40-140	**37**	Q	25
Decane (C10)	90		64		40-140	**34**	Q	25
Dodecane (C12)	86		62		40-140	**32**	Q	25
Tetradecane (C14)	83		66		40-140	23		25
Hexadecane (C16)	84		73		40-140	14		25
Octadecane (C18)	82		74		40-140	10		25
Eicosane (C20)	80		74		40-140	8		25
Heneicosane (C21)	79		73		40-140	8		25
Docosane (C22)	78		72		40-140	8		25
Tetracosane (C24)	77		71		40-140	8		25
Hexacosane (C26)	76		70		40-140	8		25
Octacosane (C28)	76		71		40-140	7		25
Triacontane (C30)	77		72		40-140	7		25
Dotriacontane (C32)	78		72		40-140	8		25
Tetratriacontane (C34)	82		76		40-140	8		25
Hexatriacontane (C36)	79		73		40-140	8		25
Octatriacontane (C38)	79		74		40-140	7		25
Tetracontane (C40)	80		73		40-140	9		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 36 Batch: WG1680494-2 WG1680494-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	70		66		40-140
o-Terphenyl	72		67		40-140

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1680494-4 QC Sample: L2246157-03 Client ID: MS Sample												
Total EPH	ND	238	210	88		-	-		40-140	-		50
Nonane (C9)	ND	6.62	6.06	92		-	-		40-140	-		50
Decane (C10)	ND	6.62	6.06	92		-	-		40-140	-		50
Dodecane (C12)	ND	6.62	5.84	88		-	-		40-140	-		50
Tetradecane (C14)	ND	6.62	5.61	85		-	-		40-140	-		50
Hexadecane (C16)	ND	6.62	5.53	84		-	-		40-140	-		50
Octadecane (C18)	ND	6.62	5.12	77		-	-		40-140	-		50
Eicosane (C20)	ND	6.62	5.13	78		-	-		40-140	-		50
Heneicosane (C21)	ND	6.62	5.06	76		-	-		40-140	-		50
Docosane (C22)	ND	6.62	5.00	76		-	-		40-140	-		50
Tetracosane (C24)	ND	6.62	4.96	75		-	-		40-140	-		50
Hexacosane (C26)	ND	6.62	4.89	74		-	-		40-140	-		50
Octacosane (C28)	ND	6.62	4.90	74		-	-		40-140	-		50
Triacontane (C30)	ND	6.62	4.95	75		-	-		40-140	-		50
Dotriacontane (C32)	ND	6.62	5.02	76		-	-		40-140	-		50
Tetratriacontane (C34)	ND	6.62	5.14	78		-	-		40-140	-		50
Hexatriacontane (C36)	ND	6.62	5.08	77		-	-		40-140	-		50
Octatriacontane (C38)	ND	6.62	5.09	77		-	-		40-140	-		50
Tetracontane (C40)	ND	6.62	5.19	78		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	68				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 36		QC Batch ID: WG1680494-4				QC Sample: L2246157-03		Client ID: MS Sample			

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	70				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1680494-5 QC Sample: L2246157-03 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	71		64		40-140
o-Terphenyl	75		65		40-140

PCBS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 15:50
Analyst: SDC
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 15:58
Analyst: SDC
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.66	1	A
Aroclor 1232	ND		ug/kg	36.5	7.74	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.47	1	A
Aroclor 1254	ND		ug/kg	36.5	3.99	1	A
Aroclor 1260	ND		ug/kg	36.5	6.74	1	A
Aroclor 1262	ND		ug/kg	36.5	4.63	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:54
Analyst: SDC
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.2	3.13	1	A
Aroclor 1221	ND		ug/kg	35.2	3.53	1	A
Aroclor 1232	ND		ug/kg	35.2	7.47	1	A
Aroclor 1242	ND		ug/kg	35.2	4.75	1	A
Aroclor 1248	ND		ug/kg	35.2	5.28	1	A
Aroclor 1254	ND		ug/kg	35.2	3.85	1	A
Aroclor 1260	ND		ug/kg	35.2	6.51	1	A
Aroclor 1262	ND		ug/kg	35.2	4.47	1	A
Aroclor 1268	ND		ug/kg	35.2	3.65	1	A
PCBs, Total	ND		ug/kg	35.2	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	74		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 16:06
Analyst: SDC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.29	1	A
Aroclor 1221	ND		ug/kg	37.0	3.71	1	A
Aroclor 1232	ND		ug/kg	37.0	7.85	1	A
Aroclor 1242	ND		ug/kg	37.0	4.99	1	A
Aroclor 1248	ND		ug/kg	37.0	5.56	1	A
Aroclor 1254	ND		ug/kg	37.0	4.05	1	A
Aroclor 1260	ND		ug/kg	37.0	6.84	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.84	1	A
PCBs, Total	ND		ug/kg	37.0	3.29	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 16:14
Analyst: SDC
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.6	3.78	1	A
Aroclor 1221	ND		ug/kg	42.6	4.27	1	A
Aroclor 1232	ND		ug/kg	42.6	9.04	1	A
Aroclor 1242	ND		ug/kg	42.6	5.74	1	A
Aroclor 1248	ND		ug/kg	42.6	6.39	1	A
Aroclor 1254	ND		ug/kg	42.6	4.66	1	A
Aroclor 1260	ND		ug/kg	42.6	7.88	1	A
Aroclor 1262	ND		ug/kg	42.6	5.41	1	A
Aroclor 1268	ND		ug/kg	42.6	4.42	1	A
PCBs, Total	ND		ug/kg	42.6	3.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	77		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/26/22 16:22
Analyst: SDC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.14	1	A
Aroclor 1221	ND		ug/kg	35.4	3.55	1	A
Aroclor 1232	ND		ug/kg	35.4	7.51	1	A
Aroclor 1242	ND		ug/kg	35.4	4.77	1	A
Aroclor 1248	ND		ug/kg	35.4	5.31	1	A
Aroclor 1254	ND		ug/kg	35.4	3.87	1	A
Aroclor 1260	ND		ug/kg	35.4	6.54	1	A
Aroclor 1262	ND		ug/kg	35.4	4.50	1	A
Aroclor 1268	ND		ug/kg	35.4	3.67	1	A
PCBs, Total	ND		ug/kg	35.4	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	70		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/22 17:45
Analyst: ER
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 08:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.48	1	A
Aroclor 1232	ND		ug/kg	34.8	7.37	1	A
Aroclor 1242	ND		ug/kg	34.8	4.68	1	A
Aroclor 1248	ND		ug/kg	34.8	5.21	1	A
Aroclor 1254	ND		ug/kg	34.8	3.80	1	A
Aroclor 1260	ND		ug/kg	34.8	6.42	1	A
Aroclor 1262	ND		ug/kg	34.8	4.41	1	A
Aroclor 1268	ND		ug/kg	34.8	3.60	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/22 17:58
Analyst: ER
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 08:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	33.6	2.99	1	A
Aroclor 1221	ND		ug/kg	33.6	3.37	1	A
Aroclor 1232	ND		ug/kg	33.6	7.13	1	A
Aroclor 1242	ND		ug/kg	33.6	4.53	1	A
Aroclor 1248	ND		ug/kg	33.6	5.04	1	A
Aroclor 1254	ND		ug/kg	33.6	3.68	1	A
Aroclor 1260	ND		ug/kg	33.6	6.21	1	A
Aroclor 1262	ND		ug/kg	33.6	4.27	1	A
Aroclor 1268	ND		ug/kg	33.6	3.48	1	A
PCBs, Total	ND		ug/kg	33.6	2.99	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	60		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/22 18:11
Analyst: ER
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 08:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.48	1	A
Aroclor 1232	ND		ug/kg	34.8	7.37	1	A
Aroclor 1242	ND		ug/kg	34.8	4.69	1	A
Aroclor 1248	ND		ug/kg	34.8	5.21	1	A
Aroclor 1254	66.7		ug/kg	34.8	3.80	1	B
Aroclor 1260	ND		ug/kg	34.8	6.42	1	A
Aroclor 1262	ND		ug/kg	34.8	4.41	1	A
Aroclor 1268	ND		ug/kg	34.8	3.60	1	A
PCBs, Total	66.7		ug/kg	34.8	3.09	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/29/22 18:23
Analyst: ER
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/28/22 08:13
Cleanup Method: EPA 3665A
Cleanup Date: 08/28/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.16	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 08/30/22 10:54
Analyst: SDC

Extraction Method: EPA 3510C
Extraction Date: 08/29/22 08:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

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	0.065	J	ug/l	0.071	0.061	1	B
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	0.065	J	ug/l	0.071	0.061	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 08:26
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.3	3.13	1	A
Aroclor 1221	ND		ug/kg	35.3	3.53	1	A
Aroclor 1232	ND		ug/kg	35.3	7.48	1	A
Aroclor 1242	ND		ug/kg	35.3	4.76	1	A
Aroclor 1248	ND		ug/kg	35.3	5.29	1	A
Aroclor 1254	ND		ug/kg	35.3	3.86	1	A
Aroclor 1260	ND		ug/kg	35.3	6.52	1	A
Aroclor 1262	ND		ug/kg	35.3	4.48	1	A
Aroclor 1268	ND		ug/kg	35.3	3.65	1	A
PCBs, Total	ND		ug/kg	35.3	3.13	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	44		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 08:34
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.71	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.55	1	A
Aroclor 1254	ND		ug/kg	37.0	4.05	1	A
Aroclor 1260	ND		ug/kg	37.0	6.84	1	A
Aroclor 1262	ND		ug/kg	37.0	4.70	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	59		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 08:42
Analyst: JM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	48		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	44		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 08:50
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.36	1	A
Aroclor 1254	ND		ug/kg	35.7	3.90	1	A
Aroclor 1260	ND		ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.53	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	ND		ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	58		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 08:58
Analyst: JM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.9	3.27	1	A
Aroclor 1221	ND		ug/kg	36.9	3.70	1	A
Aroclor 1232	ND		ug/kg	36.9	7.82	1	A
Aroclor 1242	ND		ug/kg	36.9	4.97	1	A
Aroclor 1248	ND		ug/kg	36.9	5.53	1	A
Aroclor 1254	ND		ug/kg	36.9	4.03	1	A
Aroclor 1260	34.5	J	ug/kg	36.9	6.82	1	A
Aroclor 1262	ND		ug/kg	36.9	4.68	1	A
Aroclor 1268	ND		ug/kg	36.9	3.82	1	A
PCBs, Total	34.5	J	ug/kg	36.9	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/26/22 14:31
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/26/22 01:19
Cleanup Method: EPA 3665A
Cleanup Date: 08/26/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/26/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,06,10,12,15,17 Batch: WG1679907-1						
Aroclor 1016	ND		ug/kg	31.8	2.82	A
Aroclor 1221	ND		ug/kg	31.8	3.19	A
Aroclor 1232	ND		ug/kg	31.8	6.74	A
Aroclor 1242	ND		ug/kg	31.8	4.29	A
Aroclor 1248	ND		ug/kg	31.8	4.77	A
Aroclor 1260	ND		ug/kg	31.8	5.88	A
Aroclor 1262	ND		ug/kg	31.8	4.04	A
Aroclor 1268	ND		ug/kg	31.8	3.30	A
Aroclor 1254	3.52	J	ug/kg	31.8	3.48	B
PCBs, Total	3.52	J	ug/kg	31.8	2.82	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	84		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/28/22 12:36
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 08/27/22 13:17
Cleanup Method: EPA 3665A
Cleanup Date: 08/27/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/28/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24,26,28,32 Batch: WG1680436-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.24	A
Aroclor 1232	ND		ug/kg	32.3	6.86	A
Aroclor 1242	ND		ug/kg	32.3	4.36	A
Aroclor 1248	ND		ug/kg	32.3	4.85	A
Aroclor 1254	ND		ug/kg	32.3	3.54	A
Aroclor 1260	ND		ug/kg	32.3	5.98	A
Aroclor 1262	ND		ug/kg	32.3	4.11	A
Aroclor 1268	ND		ug/kg	32.3	3.35	A
PCBs, Total	ND		ug/kg	32.3	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	90		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	80		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/29/22 08:54
Analyst: WR

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 19:52
Cleanup Method: EPA 3665A
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 33 Batch: WG1680678-1						
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	87		30-150	A
Decachlorobiphenyl	91		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/30/22 07:12
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/29/22 14:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 38,40,44,46,48 Batch: WG1680991-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.14	A
Aroclor 1232	ND		ug/kg	31.4	6.65	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.43	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	63		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,06,10,12,15,17 Batch: WG1679907-2 WG1679907-3									
Aroclor 1016	84		80		40-140	5		50	A
Aroclor 1260	81		77		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		80		30-150	A
Decachlorobiphenyl	89		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		77		30-150	B
Decachlorobiphenyl	83		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24,26,28,32 Batch: WG1680436-2 WG1680436-3									
Aroclor 1016	100		89		40-140	12		50	A
Aroclor 1260	96		86		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		87		30-150	A
Decachlorobiphenyl	98		88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		84		30-150	B
Decachlorobiphenyl	88		80		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 33 Batch: WG1680678-2 WG1680678-3									
Aroclor 1016	69		72		40-140	4		50	A
Aroclor 1260	75		77		40-140	3		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		81		30-150	A
Decachlorobiphenyl	82		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		82		30-150	B
Decachlorobiphenyl	82		93		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 38,40,44,46,48 Batch: WG1680991-2 WG1680991-3									
Aroclor 1016	72		77		40-140	7		50	A
Aroclor 1260	62		65		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		81		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		78		30-150	B
Decachlorobiphenyl	61		65		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 04,06,10,12,15,17 QC Batch ID: WG1679907-4 WG1679907-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')													
Aroclor 1016	ND	219	164	75		182	83		40-140	10		50	A
Aroclor 1260	ND	219	155	71		168	77		40-140	8		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		81		30-150	A
Decachlorobiphenyl	74		81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		78		30-150	B
Decachlorobiphenyl	71		77		30-150	B

PESTICIDES

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 10:29
Analyst: MMG
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.667	1	A
Heptachlor	ND		ug/kg	0.880	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.990	1	A
Endrin	ND		ug/kg	0.734	0.301	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	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	1.76	1.42	1	A
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	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.24	1	A
cis-Chlordane	ND		ug/kg	2.20	0.613	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.7	5.83	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04 Date Collected: 08/22/22 08:55

Client ID: SB-04 (8-10') Date Received: 08/22/22

Sample Location: Not Specified 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	89		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	98		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 11:25
Analyst: AKM
Percent Solids: 89%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.77	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.96	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	**159**	Q	30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:08
Analyst: MMG
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	0.744	0.333	1	A
Alpha-BHC	ND		ug/kg	0.744	0.211	1	A
Beta-BHC	ND		ug/kg	1.79	0.677	1	A
Heptachlor	ND		ug/kg	0.893	0.400	1	A
Aldrin	ND		ug/kg	1.79	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	1.79	0.460	1	A
Dieldrin	ND		ug/kg	1.12	0.558	1	A
4,4'-DDE	ND		ug/kg	1.79	0.413	1	A
4,4'-DDD	ND		ug/kg	1.79	0.637	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	0.744	0.354	1	A
Methoxychlor	ND		ug/kg	3.35	1.04	1	A
Toxaphene	ND		ug/kg	33.5	9.38	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	5.92	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06 Date Collected: 08/22/22 11:00

Client ID: SB-06 (0.5-2.5') Date Received: 08/22/22

Sample Location: Not Specified 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	94		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 11:44
Analyst: AKM
Percent Solids: 88%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.75	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	126		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:56
Analyst: MMG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.701	0.314	1	A
Alpha-BHC	ND		ug/kg	0.701	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.842	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.701	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.736	1	A
Endrin ketone	ND		ug/kg	1.68	0.433	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	ND		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.562	1	A
Endosulfan sulfate	ND		ug/kg	0.701	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.556	1	A
Chlordane	ND		ug/kg	14.0	5.58	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10 Date Collected: 08/22/22 11:10

Client ID: SB-06 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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	81		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	97		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 00:07
Analyst: AKM
Percent Solids: 93%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.40	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	119		30-150	A
DCAA	136		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:20
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	0.338	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	0.310	1	A
Endrin aldehyde	ND		ug/kg	2.26	0.793	1	A
Endrin ketone	ND		ug/kg	1.81	0.467	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	0.606	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	9.52	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12 Date Collected: 08/22/22 13:15

Client ID: SB-03 (1-3') Date Received: 08/22/22

Sample Location: Not Specified 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	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	120		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 12:02
Analyst: AKM
Percent Solids: 87%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	187	11.8	1	A
2,4,5-T	ND		ug/kg	187	5.80	1	A
2,4,5-TP (Silvex)	ND		ug/kg	187	4.98	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	120		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:32
Analyst: MMG
Percent Solids: 74%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.11	0.413	1	A
Lindane	ND		ug/kg	0.878	0.392	1	A
Alpha-BHC	ND		ug/kg	0.878	0.249	1	A
Beta-BHC	ND		ug/kg	2.11	0.799	1	A
Heptachlor	ND		ug/kg	1.05	0.472	1	A
Aldrin	ND		ug/kg	2.11	0.742	1	A
Heptachlor epoxide	ND		ug/kg	3.95	1.18	1	A
Endrin	ND		ug/kg	0.878	0.360	1	A
Endrin aldehyde	ND		ug/kg	2.63	0.922	1	A
Endrin ketone	ND		ug/kg	2.11	0.542	1	A
Dieldrin	ND		ug/kg	1.32	0.658	1	A
4,4'-DDE	ND		ug/kg	2.11	0.487	1	A
4,4'-DDD	ND		ug/kg	2.11	0.752	1	A
4,4'-DDT	ND		ug/kg	2.11	1.69	1	A
Endosulfan I	ND		ug/kg	2.11	0.498	1	A
Endosulfan II	ND		ug/kg	2.11	0.704	1	A
Endosulfan sulfate	ND		ug/kg	0.878	0.418	1	A
Methoxychlor	ND		ug/kg	3.95	1.23	1	A
Toxaphene	ND		ug/kg	39.5	11.1	1	A
cis-Chlordane	ND		ug/kg	2.63	0.734	1	A
trans-Chlordane	ND		ug/kg	2.63	0.695	1	A
Chlordane	ND		ug/kg	17.6	6.98	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15 Date Collected: 08/22/22 13:25

Client ID: SB-03 (7-9') Date Received: 08/22/22

Sample Location: Not Specified 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	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 12:20
Analyst: AKM
Percent Solids: 74%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	223	14.1	1	A
2,4,5-T	ND		ug/kg	223	6.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	223	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	117		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:44
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/27/22 16:49
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

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	0.319	1	A
Alpha-BHC	ND		ug/kg	0.715	0.203	1	A
Beta-BHC	ND		ug/kg	1.72	0.650	1	A
Heptachlor	ND		ug/kg	0.858	0.384	1	A
Aldrin	ND		ug/kg	1.72	0.604	1	A
Heptachlor epoxide	ND		ug/kg	3.22	0.965	1	A
Endrin	ND		ug/kg	0.715	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	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	0.405	1	A
Endosulfan II	ND		ug/kg	1.72	0.573	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	9.00	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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17 Date Collected: 08/22/22 00:00

Client ID: DUP-SOIL-8.22.22 Date Received: 08/22/22

Sample Location: Not Specified 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	101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	126		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 12:39
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	105		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/22 10:34
Analyst: AR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

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	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	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	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	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	0.694	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	5.52	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24 Date Collected: 08/23/22 09:55

Client ID: SB-01 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	113		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	147		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 12:57
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.64	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	103		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/22 10:45
Analyst: AR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.689	0.308	1	A
Alpha-BHC	ND		ug/kg	0.689	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND		ug/kg	0.827	0.371	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.930	1	A
Endrin	ND		ug/kg	0.689	0.282	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.724	1	A
Endrin ketone	ND		ug/kg	1.65	0.426	1	A
Dieldrin	ND		ug/kg	1.03	0.517	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	ND		ug/kg	1.65	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.391	1	A
Endosulfan II	ND		ug/kg	1.65	0.553	1	A
Endosulfan sulfate	ND		ug/kg	0.689	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.965	1	A
Toxaphene	ND		ug/kg	31.0	8.68	1	A
cis-Chlordane	ND		ug/kg	2.07	0.576	1	A
trans-Chlordane	ND		ug/kg	2.07	0.546	1	A
Chlordane	ND		ug/kg	13.8	5.48	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26 Date Collected: 08/23/22 10:45

Client ID: SB-01 (18-20') Date Received: 08/23/22

Sample Location: Not Specified 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	88		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 13:15
Analyst: AKM
Percent Solids: 94%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	176	11.1	1	A
2,4,5-T	ND		ug/kg	176	5.45	1	A
2,4,5-TP (Silvex)	ND		ug/kg	176	4.68	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	113		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/22 10:56
Analyst: AR
Percent Solids: 95%

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.67	0.327	1	A
Lindane	ND		ug/kg	0.695	0.311	1	A
Alpha-BHC	ND		ug/kg	0.695	0.197	1	A
Beta-BHC	ND		ug/kg	1.67	0.633	1	A
Heptachlor	ND		ug/kg	0.834	0.374	1	A
Aldrin	ND		ug/kg	1.67	0.588	1	A
Heptachlor epoxide	ND		ug/kg	3.13	0.939	1	A
Endrin	ND		ug/kg	0.695	0.285	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.730	1	A
Endrin ketone	ND		ug/kg	1.67	0.430	1	A
Dieldrin	ND		ug/kg	1.04	0.521	1	A
4,4'-DDE	ND		ug/kg	1.67	0.386	1	A
4,4'-DDD	ND		ug/kg	1.67	0.595	1	A
4,4'-DDT	ND		ug/kg	1.67	1.34	1	A
Endosulfan I	ND		ug/kg	1.67	0.394	1	A
Endosulfan II	ND		ug/kg	1.67	0.558	1	A
Endosulfan sulfate	ND		ug/kg	0.695	0.331	1	A
Methoxychlor	ND		ug/kg	3.13	0.973	1	A
Toxaphene	ND		ug/kg	31.3	8.76	1	A
cis-Chlordane	ND		ug/kg	2.08	0.581	1	A
trans-Chlordane	ND		ug/kg	2.08	0.551	1	A
Chlordane	ND		ug/kg	13.9	5.53	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28 Date Collected: 08/23/22 13:35

Client ID: SB-07 (1-3') Date Received: 08/23/22

Sample Location: Not Specified 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	100		30-150	A
Decachlorobiphenyl	105		30-150	A
2,4,5,6-Tetrachloro-m-xylene	106		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 13:34
Analyst: AKM
Percent Solids: 95%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 11:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	171	10.8	1	A
2,4,5-T	ND		ug/kg	171	5.29	1	A
2,4,5-TP (Silvex)	ND		ug/kg	171	4.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	109		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/30/22 11:07
Analyst: AR
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.691	0.309	1	A
Alpha-BHC	ND		ug/kg	0.691	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.933	1	A
Endrin	ND		ug/kg	0.691	0.283	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.518	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	1.66	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.554	1	A
Endosulfan sulfate	ND		ug/kg	0.691	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.968	1	A
Toxaphene	ND		ug/kg	31.1	8.71	1	A
cis-Chlordane	ND		ug/kg	2.07	0.578	1	A
trans-Chlordane	ND		ug/kg	2.07	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32 Date Collected: 08/23/22 13:45

Client ID: SB-07 (7-9') Date Received: 08/23/22

Sample Location: Not Specified 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	103		30-150	A
Decachlorobiphenyl	112		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/26/22 13:52
Analyst: AKM
Percent Solids: 93%
Methylation Date: 08/25/22 15:43

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 11:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.41	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	127		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 08/29/22 11:11
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/28/22 07:53

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: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified 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	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/26/22 19:41
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/25/22 20:10

Methylation Date: 08/26/22 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	77		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 12:39
Analyst: MMG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.644	1	A
Heptachlor	ND		ug/kg	0.849	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.598	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.955	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.743	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	1.70	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.337	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	14.1	5.62	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38 Date Collected: 08/24/22 09:35

Client ID: SB-02 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	88		30-150	A
Decachlorobiphenyl	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	113		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 01:34
Analyst: EJL
Percent Solids: 92%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.50	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.72	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	114		30-150	A
DCAA	105		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 15:49
Analyst: MMG
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.83	0.359	1	A
Lindane	ND		ug/kg	0.764	0.342	1	A
Alpha-BHC	ND		ug/kg	0.764	0.217	1	A
Beta-BHC	ND		ug/kg	1.83	0.695	1	A
Heptachlor	ND		ug/kg	0.917	0.411	1	A
Aldrin	ND		ug/kg	1.83	0.646	1	A
Heptachlor epoxide	ND		ug/kg	3.44	1.03	1	A
Endrin	ND		ug/kg	0.764	0.313	1	A
Endrin aldehyde	ND		ug/kg	2.29	0.802	1	A
Endrin ketone	ND		ug/kg	1.83	0.472	1	A
Dieldrin	ND		ug/kg	1.15	0.573	1	A
4,4'-DDE	ND		ug/kg	1.83	0.424	1	A
4,4'-DDD	ND		ug/kg	1.83	0.654	1	A
4,4'-DDT	ND		ug/kg	1.83	1.47	1	A
Endosulfan I	ND		ug/kg	1.83	0.433	1	A
Endosulfan II	ND		ug/kg	1.83	0.613	1	A
Endosulfan sulfate	ND		ug/kg	0.764	0.364	1	A
Methoxychlor	ND		ug/kg	3.44	1.07	1	A
Toxaphene	ND		ug/kg	34.4	9.63	1	A
cis-Chlordane	ND		ug/kg	2.29	0.639	1	A
trans-Chlordane	ND		ug/kg	2.29	0.605	1	A
Chlordane	ND		ug/kg	15.3	6.08	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40 Date Collected: 08/24/22 10:15

Client ID: SB-02 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	91		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 01:53
Analyst: EJL
Percent Solids: 87%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	189	11.9	1	A
2,4,5-T	ND		ug/kg	189	5.85	1	A
2,4,5-TP (Silvex)	ND		ug/kg	189	5.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	118		30-150	A
DCAA	107		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 12:50
Analyst: MMG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.65	0.324	1	A
Lindane	ND		ug/kg	0.689	0.308	1	A
Alpha-BHC	ND		ug/kg	0.689	0.196	1	A
Beta-BHC	ND		ug/kg	1.65	0.627	1	A
Heptachlor	ND		ug/kg	0.827	0.371	1	A
Aldrin	ND		ug/kg	1.65	0.582	1	A
Heptachlor epoxide	ND		ug/kg	3.10	0.930	1	A
Endrin	ND		ug/kg	0.689	0.283	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.724	1	A
Endrin ketone	ND		ug/kg	1.65	0.426	1	A
Dieldrin	ND		ug/kg	1.03	0.517	1	A
4,4'-DDE	ND		ug/kg	1.65	0.382	1	A
4,4'-DDD	ND		ug/kg	1.65	0.590	1	A
4,4'-DDT	ND		ug/kg	1.65	1.33	1	A
Endosulfan I	ND		ug/kg	1.65	0.391	1	A
Endosulfan II	ND		ug/kg	1.65	0.553	1	A
Endosulfan sulfate	ND		ug/kg	0.689	0.328	1	A
Methoxychlor	ND		ug/kg	3.10	0.965	1	A
Toxaphene	ND		ug/kg	31.0	8.68	1	A
cis-Chlordane	ND		ug/kg	2.07	0.576	1	A
trans-Chlordane	ND		ug/kg	2.07	0.546	1	A
Chlordane	ND		ug/kg	13.8	5.48	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44 Date Collected: 08/24/22 13:35

Client ID: SB-22 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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	96		30-150	A
Decachlorobiphenyl	104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	146		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 02:11
Analyst: EJL
Percent Solids: 93%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.41	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.64	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	105		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:01
Analyst: MMG
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	A
Lindane	ND		ug/kg	0.702	0.314	1	A
Alpha-BHC	ND		ug/kg	0.702	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.638	1	A
Heptachlor	ND		ug/kg	0.842	0.377	1	A
Aldrin	ND		ug/kg	1.68	0.593	1	A
Heptachlor epoxide	ND		ug/kg	3.16	0.947	1	A
Endrin	ND		ug/kg	0.702	0.288	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.737	1	A
Endrin ketone	ND		ug/kg	1.68	0.434	1	A
Dieldrin	ND		ug/kg	1.05	0.526	1	A
4,4'-DDE	ND		ug/kg	1.68	0.389	1	A
4,4'-DDD	ND		ug/kg	1.68	0.600	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.398	1	A
Endosulfan II	ND		ug/kg	1.68	0.563	1	A
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	A
Methoxychlor	ND		ug/kg	3.16	0.982	1	A
Toxaphene	ND		ug/kg	31.6	8.84	1	A
cis-Chlordane	ND		ug/kg	2.10	0.586	1	A
trans-Chlordane	ND		ug/kg	2.10	0.556	1	A
Chlordane	ND		ug/kg	14.0	5.58	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46 Date Collected: 08/24/22 13:40

Client ID: SB-22 (7-9') Date Received: 08/24/22

Sample Location: Not Specified 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	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 02:30
Analyst: EJL
Percent Solids: 92%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	177	11.2	1	A
2,4,5-T	ND		ug/kg	177	5.49	1	A
2,4,5-TP (Silvex)	ND		ug/kg	177	4.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	103		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:12
Analyst: MMG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.85	0.362	1	A
Lindane	ND		ug/kg	0.770	0.344	1	A
Alpha-BHC	ND		ug/kg	0.770	0.219	1	A
Beta-BHC	ND		ug/kg	1.85	0.701	1	A
Heptachlor	ND		ug/kg	0.924	0.414	1	A
Aldrin	ND		ug/kg	1.85	0.650	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.770	0.316	1	A
Endrin aldehyde	ND		ug/kg	2.31	0.808	1	A
Endrin ketone	ND		ug/kg	1.85	0.476	1	A
Dieldrin	ND		ug/kg	1.15	0.577	1	A
4,4'-DDE	40.1		ug/kg	1.85	0.427	1	B
4,4'-DDD	0.916	J	ug/kg	1.85	0.659	1	A
4,4'-DDT	37.5		ug/kg	1.85	1.48	1	B
Endosulfan I	ND		ug/kg	1.85	0.436	1	A
Endosulfan II	ND		ug/kg	1.85	0.617	1	A
Endosulfan sulfate	ND		ug/kg	0.770	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.70	1	A
cis-Chlordane	1.46	JIP	ug/kg	2.31	0.644	1	A
trans-Chlordane	0.868	J	ug/kg	2.31	0.610	1	B
Chlordane	ND		ug/kg	15.4	6.12	1	A

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48 Date Collected: 08/24/22 14:00

Client ID: SB-24 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	84		30-150	B
Decachlorobiphenyl	128		30-150	B

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 02:48
Analyst: EJL
Percent Solids: 86%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	190	11.9	1	A
2,4,5-T	ND		ug/kg	190	5.88	1	A
2,4,5-TP (Silvex)	ND		ug/kg	190	5.04	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	107		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/25/22 20:45
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/24/22 04:25

Methylation Date: 08/25/22 15:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1678917-1						
2,4-D	ND		ug/kg	164	10.3	A
2,4,5-T	ND		ug/kg	164	5.09	A
2,4,5-TP (Silvex)	ND		ug/kg	164	4.37	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	99		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/26/22 16:19
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 08/25/22 20:07

Methylation Date: 08/26/22 13:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 33 Batch: WG1679852-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	76		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/22 11:17
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 07:31

Methylation Date: 08/27/22 19:47

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 38,40,44,46,48 Batch: WG1680235-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	109		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/27/22 17:12
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 33 Batch: WG1680374-1						
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: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/27/22 17:12
Analyst: EJL

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 08:04

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 33 Batch: WG1680374-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/29/22 09:45
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/27/22 15:05
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,10,12,15,17 Batch: WG1680448-1						
Alpha-BHC	28.2		ug/kg	0.637	0.181	A
Heptachlor	27.1		ug/kg	0.764	0.343	A
Aldrin	27.7		ug/kg	1.53	0.538	A
Heptachlor epoxide	25.0		ug/kg	2.87	0.860	A
4,4'-DDT	30.6		ug/kg	1.53	1.23	A
Toxaphene	ND		ug/kg	28.7	8.02	A
cis-Chlordane	28.7		ug/kg	1.91	0.532	A
trans-Chlordane	32.6		ug/kg	1.91	0.504	A
Chlordane	ND		ug/kg	12.7	5.06	A
Delta-BHC	28.9		ug/kg	1.53	0.299	B
Lindane	27.4		ug/kg	0.637	0.285	B
Beta-BHC	25.8		ug/kg	1.53	0.580	B
Endrin	29.6		ug/kg	0.637	0.261	B
Endrin aldehyde	21.6		ug/kg	1.91	0.669	B
Endrin ketone	29.3		ug/kg	1.53	0.394	B
Dieldrin	30.6		ug/kg	0.955	0.478	B
4,4'-DDE	29.5		ug/kg	1.53	0.354	B
4,4'-DDD	31.3		ug/kg	1.53	0.545	B
Endosulfan I	27.6		ug/kg	1.53	0.361	B
Endosulfan II	28.8		ug/kg	1.53	0.511	B
Endosulfan sulfate	23.4		ug/kg	0.637	0.303	B
Methoxychlor	33.1		ug/kg	2.87	0.892	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/29/22 09:45
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 08/27/22 15:05
Cleanup Method: EPA 3620B
Cleanup Date: 08/29/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/29/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,10,12,15,17 Batch: WG1680448-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	104		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/22 09:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24,26,28,32 Batch: WG1680923-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.647	0.289	A
Alpha-BHC	ND		ug/kg	0.647	0.184	A
Beta-BHC	ND		ug/kg	1.55	0.589	A
Heptachlor	ND		ug/kg	0.776	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.873	A
Endrin	ND		ug/kg	0.647	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.679	A
Endrin ketone	ND		ug/kg	1.55	0.400	A
Dieldrin	ND		ug/kg	0.970	0.485	A
4,4'-DDE	ND		ug/kg	1.55	0.359	A
4,4'-DDD	ND		ug/kg	1.55	0.554	A
4,4'-DDT	ND		ug/kg	1.55	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.367	A
Endosulfan II	ND		ug/kg	1.55	0.519	A
Endosulfan sulfate	ND		ug/kg	0.647	0.308	A
Methoxychlor	ND		ug/kg	2.91	0.906	A
Toxaphene	ND		ug/kg	29.1	8.15	A
cis-Chlordane	ND		ug/kg	1.94	0.541	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/30/22 09:07
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 08/29/22 11:58
Cleanup Method: EPA 3620B
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24,26,28,32 Batch: WG1680923-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	107		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 11:23
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 38,40,44,46,48 Batch: WG1681677-1						
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	0.878	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	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	0.515	A
Chlordane	ND		ug/kg	13.0	5.17	A

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 11:23
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 38,40,44,46,48 Batch: WG1681677-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	115		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,06,10,12,15,17,24,26,28,32 Batch: WG1678917-2 WG1678917-3									
2,4-D	123		121		30-150	2		30	A
2,4,5-T	137		131		30-150	4		30	A
2,4,5-TP (Silvex)	116		116		30-150	0		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	113		102		30-150	A
DCAA	113		109		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 33 Batch: WG1679852-2 WG1679852-3									
2,4-D	92		104		30-150	12		25	A
2,4,5-T	104		107		30-150	3		25	A
2,4,5-TP (Silvex)	95		98		30-150	3		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	87		100		30-150	A
DCAA	86		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 38,40,44,46,48 Batch: WG1680235-2 WG1680235-3									
2,4-D	98		88		30-150	11		30	A
2,4,5-T	100		102		30-150	2		30	A
2,4,5-TP (Silvex)	92		93		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	107		103		30-150	A
DCAA	95		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 33 Batch: WG1680374-2 WG1680374-3									
Delta-BHC	38		35		30-150	8		20	A
Lindane	72		70		30-150	3		20	A
Alpha-BHC	75		73		30-150	3		20	A
Beta-BHC	76		71		30-150	6		20	A
Heptachlor	69		66		30-150	5		20	A
Aldrin	70		67		30-150	5		20	A
Heptachlor epoxide	75		71		30-150	6		20	A
Endrin	78		74		30-150	5		20	A
Endrin aldehyde	75		67		30-150	11		20	A
Endrin ketone	84		78		30-150	8		20	A
Dieldrin	82		76		30-150	6		20	A
4,4'-DDE	72		65		30-150	10		20	A
4,4'-DDD	82		76		30-150	8		20	A
4,4'-DDT	80		73		30-150	9		20	A
Endosulfan I	90		75		30-150	19		20	A
Endosulfan II	78		71		30-150	10		20	A
Endosulfan sulfate	66		60		30-150	11		20	A
Methoxychlor	104		96		30-150	8		20	A
cis-Chlordane	70		64		30-150	9		20	A
trans-Chlordane	86		79		30-150	9		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 33 Batch: WG1680374-2 WG1680374-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	54		51		30-150	A
Decachlorobiphenyl	68		64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		52		30-150	B
Decachlorobiphenyl	80		73		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,10,12,15,17 Batch: WG1680448-2 WG1680448-3									
Delta-BHC	61		90		30-150	**38**	Q	30	A
Lindane	57		82		30-150	**36**	Q	30	A
Alpha-BHC	61		87		30-150	**35**	Q	30	A
Beta-BHC	53		77		30-150	**37**	Q	30	A
Heptachlor	61		84		30-150	**32**	Q	30	A
Aldrin	62		87		30-150	**34**	Q	30	A
Heptachlor epoxide	56		79		30-150	**34**	Q	30	A
Endrin	61		85		30-150	**33**	Q	30	A
Endrin aldehyde	40		60		30-150	**40**	Q	30	A
Endrin ketone	56		83		30-150	**39**	Q	30	A
Dieldrin	66		92		30-150	**33**	Q	30	A
4,4'-DDE	64		89		30-150	**33**	Q	30	A
4,4'-DDD	67		93		30-150	**33**	Q	30	A
4,4'-DDT	67		94		30-150	**34**	Q	30	A
Endosulfan I	60		81		30-150	30		30	A
Endosulfan II	60		84		30-150	**33**	Q	30	A
Endosulfan sulfate	46		68		30-150	**39**	Q	30	A
Methoxychlor	62		86		30-150	**32**	Q	30	A
cis-Chlordane	62		89		30-150	**36**	Q	30	A
trans-Chlordane	71		97		30-150	**31**	Q	30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,10,12,15,17 Batch: WG1680448-2 WG1680448-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		79		30-150	A
Decachlorobiphenyl	66		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		80		30-150	B
Decachlorobiphenyl	68		97		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24,26,28,32 Batch: WG1680923-2 WG1680923-3									
Delta-BHC	111		112		30-150	1		30	A
Lindane	101		102		30-150	1		30	A
Alpha-BHC	106		107		30-150	1		30	A
Beta-BHC	89		94		30-150	5		30	A
Heptachlor	108		107		30-150	1		30	A
Aldrin	106		106		30-150	0		30	A
Heptachlor epoxide	97		96		30-150	1		30	A
Endrin	107		106		30-150	1		30	A
Endrin aldehyde	84		83		30-150	1		30	A
Endrin ketone	110		109		30-150	1		30	A
Dieldrin	113		113		30-150	0		30	A
4,4'-DDE	109		108		30-150	1		30	A
4,4'-DDD	119		118		30-150	1		30	A
4,4'-DDT	117		117		30-150	0		30	A
Endosulfan I	101		100		30-150	1		30	A
Endosulfan II	109		109		30-150	0		30	A
Endosulfan sulfate	93		97		30-150	4		30	A
Methoxychlor	111		117		30-150	5		30	A
cis-Chlordane	109		109		30-150	0		30	A
trans-Chlordane	123		123		30-150	0		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24,26,28,32 Batch: WG1680923-2 WG1680923-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		95		30-150	A
Decachlorobiphenyl	108		109		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		95		30-150	B
Decachlorobiphenyl	117		117		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 38,40,44,46,48 Batch: WG1681677-2 WG1681677-3									
Delta-BHC	110		105		30-150	5		30	A
Lindane	98		94		30-150	4		30	A
Alpha-BHC	104		100		30-150	4		30	A
Beta-BHC	91		87		30-150	4		30	A
Heptachlor	101		95		30-150	6		30	A
Aldrin	101		96		30-150	5		30	A
Heptachlor epoxide	94		89		30-150	5		30	A
Endrin	103		98		30-150	5		30	A
Endrin aldehyde	79		78		30-150	1		30	A
Endrin ketone	108		105		30-150	3		30	A
Dieldrin	110		105		30-150	5		30	A
4,4'-DDE	106		101		30-150	5		30	A
4,4'-DDD	113		108		30-150	5		30	A
4,4'-DDT	113		109		30-150	4		30	A
Endosulfan I	99		94		30-150	5		30	A
Endosulfan II	102		98		30-150	4		30	A
Endosulfan sulfate	89		86		30-150	3		30	A
Methoxychlor	115		107		30-150	7		30	A
cis-Chlordane	105		102		30-150	3		30	A
trans-Chlordane	119		116		30-150	3		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 38,40,44,46,48 Batch: WG1681677-2 WG1681677-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		93		30-150	A
Decachlorobiphenyl	120		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		94		30-150	B
Decachlorobiphenyl	131		124		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,06,10,12,15,17,24,26,28,32 QC Batch ID: WG1678917-4 WG1678917-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')													
2,4-D	ND	175	231	132		221	126		30-150	4		30	A
2,4,5-T	ND	175	226	129		215	123		30-150	5		30	A
2,4,5-TP (Silvex)	ND	175	218	124		195	111		30-150	11		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	109		115		30-150	A
DCAA	113		123		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 04,06,10,12,15,17 QC Batch ID: WG1680448-4 WG1680448-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')													
Delta-BHC	ND	35.2	26.4	75		32.0	91		30-150	19		50	A
Lindane	ND	35.2	24.3	69		29.5	84		30-150	19		50	A
Alpha-BHC	ND	35.2	25.7	73		31.1	88		30-150	19		50	A
Beta-BHC	ND	35.2	23.0	65		27.5	78		30-150	18		50	A
Heptachlor	ND	35.2	22.4	64		27.1	77		30-150	19		50	A
Aldrin	ND	35.2	23.4	66		28.4	81		30-150	19		50	A
Heptachlor epoxide	ND	35.2	21.8	62		24.2	69		30-150	10		50	A
Endrin	ND	35.2	24.9	71		29.5	84		30-150	17		50	A
Endrin aldehyde	ND	35.2	18.4	52		22.1	63		30-150	18		50	A
Endrin ketone	ND	35.2	24.0	68		28.8	82		30-150	18		50	A
Dieldrin	ND	35.2	26.0	74		31.2	89		30-150	18		50	A
4,4'-DDE	ND	35.2	22.7	64		27.7	79		30-150	20		50	A
4,4'-DDD	ND	35.2	25.5	72		30.4	86		30-150	18		50	A
4,4'-DDT	ND	35.2	25.5	72		31.1	88		30-150	20		50	A
Endosulfan I	ND	35.2	23.4	66		28.2	80		30-150	19		50	A
Endosulfan II	ND	35.2	24.8	70		29.8	85		30-150	18		50	A
Endosulfan sulfate	ND	35.2	19.0	54		22.8	65		30-150	18		50	A
Methoxychlor	ND	35.2	29.9	85		35.1	100		30-150	16		50	A
cis-Chlordane	ND	35.2	21.8	62		26.3	75		30-150	19		50	A
trans-Chlordane	ND	35.2	26.1	74		30.7	87		30-150	16		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

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): 04,06,10,12,15,17 QC Batch ID: WG1680448-4 WG1680448-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		63		30-150	A
Decachlorobiphenyl	71		85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		70		30-150	B
Decachlorobiphenyl	84		103		30-150	B

METALS

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02
Client ID: SB-04 (4-7')
Sample Location: Not Specified
Date Collected: 08/22/22 08:50
Date Received: 08/22/22
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	5540		mg/kg	8.29	2.24	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Antimony, Total	0.547	J	mg/kg	4.15	0.315	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Arsenic, Total	3.45		mg/kg	0.829	0.172	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Barium, Total	54.8		mg/kg	0.829	0.144	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Beryllium, Total	0.174	J	mg/kg	0.415	0.027	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Cadmium, Total	0.539	J	mg/kg	0.829	0.081	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Calcium, Total	28200		mg/kg	8.29	2.90	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Chromium, Total	17.3		mg/kg	0.829	0.080	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Cobalt, Total	3.60		mg/kg	1.66	0.138	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Copper, Total	104		mg/kg	0.829	0.214	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Iron, Total	13800		mg/kg	4.15	0.749	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Lead, Total	39.8		mg/kg	4.15	0.222	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Magnesium, Total	2800		mg/kg	8.29	1.28	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Manganese, Total	190		mg/kg	0.829	0.132	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Mercury, Total	0.146		mg/kg	0.067	0.044	1	08/23/22 10:50	08/23/22 16:31	EPA 7471B	1,7471B	DMB
Nickel, Total	8.36		mg/kg	2.07	0.201	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Potassium, Total	981		mg/kg	207	11.9	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.829	0.235	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Sodium, Total	360		mg/kg	166	2.61	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Vanadium, Total	13.5		mg/kg	0.829	0.168	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL
Zinc, Total	117		mg/kg	4.15	0.243	2	08/23/22 08:35	08/23/22 22:00	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified
Date Collected: 08/22/22 08:55
Date Received: 08/22/22
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	6550		mg/kg	8.60	2.32	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Antimony, Total	0.421	J	mg/kg	4.30	0.327	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Arsenic, Total	1.25		mg/kg	0.860	0.179	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Barium, Total	22.1		mg/kg	0.860	0.150	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Beryllium, Total	0.258	J	mg/kg	0.430	0.028	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Cadmium, Total	0.155	J	mg/kg	0.860	0.084	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Calcium, Total	511		mg/kg	8.60	3.01	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Chromium, Total	11.2		mg/kg	0.860	0.083	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Cobalt, Total	3.83		mg/kg	1.72	0.143	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Copper, Total	5.59		mg/kg	0.860	0.222	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Iron, Total	9660		mg/kg	4.30	0.776	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Lead, Total	4.29	J	mg/kg	4.30	0.230	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Magnesium, Total	1540		mg/kg	8.60	1.32	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Manganese, Total	192		mg/kg	0.860	0.137	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.071	0.046	1	08/23/22 10:50	08/23/22 16:34	EPA 7471B	1,7471B	DMB
Nickel, Total	6.96		mg/kg	2.15	0.208	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Potassium, Total	548		mg/kg	215	12.4	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.860	0.243	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Sodium, Total	58.7	J	mg/kg	172	2.71	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Vanadium, Total	11.6		mg/kg	0.860	0.174	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL
Zinc, Total	15.4		mg/kg	4.30	0.252	2	08/23/22 08:35	08/23/22 22:04	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified
Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3850		mg/kg	8.79	2.37	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	4.39	0.334	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Arsenic, Total	2.30		mg/kg	0.879	0.183	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Barium, Total	33.6		mg/kg	0.879	0.153	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Beryllium, Total	0.325	J	mg/kg	0.439	0.029	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Cadmium, Total	0.404	J	mg/kg	0.879	0.086	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Calcium, Total	14700		mg/kg	8.79	3.08	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Chromium, Total	17.0		mg/kg	0.879	0.084	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Cobalt, Total	6.70		mg/kg	1.76	0.146	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Copper, Total	18.6		mg/kg	0.879	0.227	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Iron, Total	13700		mg/kg	4.39	0.794	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Lead, Total	34.8		mg/kg	4.39	0.236	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Magnesium, Total	8320		mg/kg	8.79	1.35	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Manganese, Total	205		mg/kg	0.879	0.140	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Mercury, Total	0.056	J	mg/kg	0.072	0.047	1	08/23/22 10:50	08/23/22 16:38	EPA 7471B	1,7471B	DMB
Nickel, Total	9.09		mg/kg	2.20	0.213	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Potassium, Total	594		mg/kg	220	12.6	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.76	0.227	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.879	0.249	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Sodium, Total	356		mg/kg	176	2.77	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.76	0.277	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Vanadium, Total	25.2		mg/kg	0.879	0.178	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL
Zinc, Total	62.6		mg/kg	4.39	0.258	2	08/23/22 08:35	08/23/22 22:09	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08
Client ID: SB-06 (3-7')
Sample Location: Not Specified
Date Collected: 08/22/22 11:05
Date Received: 08/22/22
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	4470		mg/kg	8.47	2.29	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Antimony, Total	0.347	J	mg/kg	4.24	0.322	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Arsenic, Total	2.42		mg/kg	0.847	0.176	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Barium, Total	41.2		mg/kg	0.847	0.147	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Beryllium, Total	0.263	J	mg/kg	0.424	0.028	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Cadmium, Total	0.195	J	mg/kg	0.847	0.083	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Calcium, Total	3880		mg/kg	8.47	2.96	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Chromium, Total	11.9		mg/kg	0.847	0.081	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Cobalt, Total	3.59		mg/kg	1.69	0.141	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Copper, Total	14.5		mg/kg	0.847	0.218	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Iron, Total	9060		mg/kg	4.24	0.765	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Lead, Total	30.9		mg/kg	4.24	0.227	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Magnesium, Total	2420		mg/kg	8.47	1.30	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Manganese, Total	344		mg/kg	0.847	0.135	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Mercury, Total	0.425		mg/kg	0.068	0.044	1	08/23/22 10:50	08/23/22 16:41	EPA 7471B	1,7471B	DMB
Nickel, Total	6.37		mg/kg	2.12	0.205	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Potassium, Total	566		mg/kg	212	12.2	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.847	0.240	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Sodium, Total	131	J	mg/kg	169	2.67	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.69	0.267	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Vanadium, Total	11.5		mg/kg	0.847	0.172	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL
Zinc, Total	31.1		mg/kg	4.24	0.248	2	08/23/22 08:35	08/23/22 22:13	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified
Date Collected: 08/22/22 11:10
Date Received: 08/22/22
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	4530		mg/kg	8.43	2.28	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Antimony, Total	ND		mg/kg	4.21	0.320	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Arsenic, Total	0.919		mg/kg	0.843	0.175	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Barium, Total	23.5		mg/kg	0.843	0.147	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Beryllium, Total	0.194	J	mg/kg	0.421	0.028	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Cadmium, Total	0.118	J	mg/kg	0.843	0.083	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Calcium, Total	436		mg/kg	8.43	2.95	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Chromium, Total	7.00		mg/kg	0.843	0.081	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Cobalt, Total	2.86		mg/kg	1.68	0.140	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Copper, Total	3.78		mg/kg	0.843	0.217	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Iron, Total	6660		mg/kg	4.21	0.761	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Lead, Total	3.52	J	mg/kg	4.21	0.226	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Magnesium, Total	1190		mg/kg	8.43	1.30	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Manganese, Total	205		mg/kg	0.843	0.134	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Mercury, Total	ND		mg/kg	0.069	0.045	1	08/23/22 10:50	08/23/22 15:55	EPA 7471B	1,7471B	DMB
Nickel, Total	5.15		mg/kg	2.11	0.204	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Potassium, Total	301		mg/kg	211	12.1	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Silver, Total	ND		mg/kg	0.843	0.238	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Sodium, Total	51.4	J	mg/kg	168	2.65	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Vanadium, Total	8.01		mg/kg	0.843	0.171	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW
Zinc, Total	12.4		mg/kg	4.21	0.247	2	08/23/22 08:35	08/23/22 16:47	EPA 3050B	1,6010D	EW

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified
Date Collected: 08/22/22 13:15
Date Received: 08/22/22
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	4950		mg/kg	9.13	2.46	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Antimony, Total	0.374	J	mg/kg	4.56	0.347	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Arsenic, Total	2.04		mg/kg	0.913	0.190	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Barium, Total	21.5		mg/kg	0.913	0.159	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Beryllium, Total	0.237	J	mg/kg	0.456	0.030	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Cadmium, Total	0.265	J	mg/kg	0.913	0.089	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Calcium, Total	2310		mg/kg	9.13	3.19	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Chromium, Total	8.81		mg/kg	0.913	0.088	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Cobalt, Total	3.73		mg/kg	1.82	0.152	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Copper, Total	11.3		mg/kg	0.913	0.236	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Iron, Total	8900		mg/kg	4.56	0.824	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Lead, Total	42.5		mg/kg	4.56	0.245	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Magnesium, Total	2260		mg/kg	9.13	1.40	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Manganese, Total	277		mg/kg	0.913	0.145	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Mercury, Total	0.091		mg/kg	0.073	0.048	1	08/23/22 10:50	08/23/22 16:44	EPA 7471B	1,7471B	DMB
Nickel, Total	6.79		mg/kg	2.28	0.221	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Potassium, Total	568		mg/kg	228	13.1	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.82	0.236	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.913	0.258	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Sodium, Total	1110		mg/kg	182	2.88	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.82	0.288	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Vanadium, Total	10.9		mg/kg	0.913	0.185	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL
Zinc, Total	46.7		mg/kg	4.56	0.267	2	08/23/22 08:35	08/23/22 22:18	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-14
Client ID: SB-03 (4-7')
Sample Location: Not Specified
Date Collected: 08/22/22 13:20
Date Received: 08/22/22
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	4900		mg/kg	8.86	2.39	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Antimony, Total	0.655	J	mg/kg	4.43	0.336	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Arsenic, Total	2.07		mg/kg	0.886	0.184	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Barium, Total	32.1		mg/kg	0.886	0.154	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Beryllium, Total	0.212	J	mg/kg	0.443	0.029	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Cadmium, Total	0.248	J	mg/kg	0.886	0.087	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Calcium, Total	3730		mg/kg	8.86	3.10	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Chromium, Total	10.4		mg/kg	0.886	0.085	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Cobalt, Total	3.54		mg/kg	1.77	0.147	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Copper, Total	13.2		mg/kg	0.886	0.228	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Iron, Total	8860		mg/kg	4.43	0.800	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Lead, Total	55.1		mg/kg	4.43	0.237	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Magnesium, Total	1750		mg/kg	8.86	1.36	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Manganese, Total	239		mg/kg	0.886	0.141	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Mercury, Total	0.053	J	mg/kg	0.071	0.046	1	08/23/22 10:50	08/23/22 16:48	EPA 7471B	1,7471B	DMB
Nickel, Total	6.70		mg/kg	2.21	0.214	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Potassium, Total	646		mg/kg	221	12.8	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.886	0.251	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Sodium, Total	682		mg/kg	177	2.79	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.77	0.279	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Vanadium, Total	11.5		mg/kg	0.886	0.180	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL
Zinc, Total	75.4		mg/kg	4.43	0.259	2	08/23/22 08:35	08/23/22 22:22	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified
Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 74%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5520		mg/kg	10.1	2.73	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Antimony, Total	ND		mg/kg	5.06	0.385	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Arsenic, Total	1.24		mg/kg	1.01	0.211	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Barium, Total	21.6		mg/kg	1.01	0.176	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Beryllium, Total	0.243	J	mg/kg	0.506	0.033	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Cadmium, Total	0.172	J	mg/kg	1.01	0.099	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Calcium, Total	488		mg/kg	10.1	3.54	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Chromium, Total	7.56		mg/kg	1.01	0.097	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Cobalt, Total	3.41		mg/kg	2.02	0.168	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Copper, Total	6.59		mg/kg	1.01	0.261	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Iron, Total	9000		mg/kg	5.06	0.914	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Lead, Total	4.03	J	mg/kg	5.06	0.271	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Magnesium, Total	1800		mg/kg	10.1	1.56	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Manganese, Total	254		mg/kg	1.01	0.161	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Mercury, Total	ND		mg/kg	0.085	0.055	1	08/23/22 10:50	08/23/22 16:51	EPA 7471B	1,7471B	DMB
Nickel, Total	7.41		mg/kg	2.53	0.245	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Potassium, Total	518		mg/kg	253	14.6	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	2.02	0.261	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	1.01	0.286	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Sodium, Total	52.6	J	mg/kg	202	3.19	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	2.02	0.319	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Vanadium, Total	9.31		mg/kg	1.01	0.206	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL
Zinc, Total	15.9		mg/kg	5.06	0.297	2	08/23/22 08:35	08/23/22 22:27	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified
Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4430		mg/kg	8.60	2.32	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Antimony, Total	0.404	J	mg/kg	4.30	0.327	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Arsenic, Total	2.30		mg/kg	0.860	0.179	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Barium, Total	17.0		mg/kg	0.860	0.150	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Beryllium, Total	0.258	J	mg/kg	0.430	0.028	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Cadmium, Total	0.318	J	mg/kg	0.860	0.084	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Calcium, Total	1000		mg/kg	8.60	3.01	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Chromium, Total	10.4		mg/kg	0.860	0.083	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Cobalt, Total	4.06		mg/kg	1.72	0.143	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Copper, Total	10.1		mg/kg	0.860	0.222	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Iron, Total	10000		mg/kg	4.30	0.777	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Lead, Total	36.8		mg/kg	4.30	0.230	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Magnesium, Total	1560		mg/kg	8.60	1.32	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Manganese, Total	263		mg/kg	0.860	0.137	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Mercury, Total	0.079		mg/kg	0.070	0.046	1	08/23/22 10:50	08/23/22 16:54	EPA 7471B	1,7471B	DMB
Nickel, Total	7.04		mg/kg	2.15	0.208	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Potassium, Total	506		mg/kg	215	12.4	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Silver, Total	ND		mg/kg	0.860	0.243	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Sodium, Total	1090		mg/kg	172	2.71	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Vanadium, Total	13.8		mg/kg	0.860	0.175	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL
Zinc, Total	47.0		mg/kg	4.30	0.252	2	08/23/22 08:35	08/23/22 22:31	EPA 3050B	1,6010D	DL

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-20
Client ID: WC-03
Sample Location: Not Specified
Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 08/24/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Barium, TCLP	0.528		mg/l	0.500	0.021	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/26/22 00:30	08/26/22 08:50	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/26/22 00:40	08/26/22 10:26	EPA 3015	1,6010D	EW

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-20
Client ID: WC-03
Sample Location: Not Specified
Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.122		mg/kg	0.070	0.046	1	08/23/22 10:50	08/23/22 16:57	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-22
Client ID: WC-07
Sample Location: Not Specified
Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%
TCLP/SPLP Ext. Date: 08/24/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Barium, TCLP	0.674		mg/l	0.500	0.021	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Lead, TCLP	0.053	J	mg/l	0.500	0.027	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/26/22 00:30	08/26/22 08:54	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/26/22 00:40	08/26/22 10:48	EPA 3015	1,6010D	EW

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-22
Client ID: WC-07
Sample Location: Not Specified
Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.160		mg/kg	0.075	0.049	1	08/23/22 10:50	08/23/22 17:01	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified
Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5210		mg/kg	8.45	2.28	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.22	0.321	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Arsenic, Total	4.74		mg/kg	0.845	0.176	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Barium, Total	56.1		mg/kg	0.845	0.147	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Beryllium, Total	0.312	J	mg/kg	0.422	0.028	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Cadmium, Total	0.549	J	mg/kg	0.845	0.083	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Calcium, Total	7520		mg/kg	8.45	2.96	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Chromium, Total	11.1		mg/kg	0.845	0.081	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Cobalt, Total	4.32		mg/kg	1.69	0.140	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Copper, Total	17.8		mg/kg	0.845	0.218	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Iron, Total	9520		mg/kg	4.22	0.763	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Lead, Total	73.2		mg/kg	4.22	0.226	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Magnesium, Total	2510		mg/kg	8.45	1.30	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Manganese, Total	332		mg/kg	0.845	0.134	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Mercury, Total	0.175		mg/kg	0.069	0.045	1	08/24/22 09:30	08/24/22 11:49	EPA 7471B	1,7471B	DMB
Nickel, Total	8.12		mg/kg	2.11	0.204	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Potassium, Total	557		mg/kg	211	12.2	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.69	0.218	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.845	0.239	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Sodium, Total	126	J	mg/kg	169	2.66	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.69	0.266	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Vanadium, Total	16.8		mg/kg	0.845	0.171	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC
Zinc, Total	69.4		mg/kg	4.22	0.247	2	08/24/22 08:10	08/24/22 16:40	EPA 3050B	1,6010D	MC

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified
Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4530		mg/kg	8.36	2.26	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.18	0.317	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Arsenic, Total	1.26		mg/kg	0.836	0.174	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Barium, Total	28.9		mg/kg	0.836	0.145	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Beryllium, Total	0.251	J	mg/kg	0.418	0.028	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Cadmium, Total	0.259	J	mg/kg	0.836	0.082	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Calcium, Total	510		mg/kg	8.36	2.92	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Chromium, Total	6.43		mg/kg	0.836	0.080	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Cobalt, Total	2.81		mg/kg	1.67	0.139	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Copper, Total	3.32		mg/kg	0.836	0.216	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Iron, Total	6290		mg/kg	4.18	0.754	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Lead, Total	3.54	J	mg/kg	4.18	0.224	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Magnesium, Total	1110		mg/kg	8.36	1.29	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Manganese, Total	385		mg/kg	0.836	0.133	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.067	0.044	1	08/24/22 09:30	08/24/22 11:53	EPA 7471B	1,7471B	DMB
Nickel, Total	5.46		mg/kg	2.09	0.202	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Potassium, Total	259		mg/kg	209	12.0	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.67	0.216	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.836	0.236	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Sodium, Total	114	J	mg/kg	167	2.63	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.67	0.263	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Vanadium, Total	8.06		mg/kg	0.836	0.170	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC
Zinc, Total	13.3		mg/kg	4.18	0.245	2	08/24/22 08:10	08/24/22 16:44	EPA 3050B	1,6010D	MC

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified
Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7980		mg/kg	8.31	2.24	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.15	0.316	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Arsenic, Total	3.26		mg/kg	0.831	0.173	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Barium, Total	82.6		mg/kg	0.831	0.144	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Beryllium, Total	0.307	J	mg/kg	0.415	0.027	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Cadmium, Total	0.756	J	mg/kg	0.831	0.081	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Calcium, Total	14400		mg/kg	8.31	2.91	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Chromium, Total	18.1		mg/kg	0.831	0.080	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Cobalt, Total	9.62		mg/kg	1.66	0.138	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Copper, Total	18.6		mg/kg	0.831	0.214	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Iron, Total	15000		mg/kg	4.15	0.750	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Lead, Total	66.3		mg/kg	4.15	0.223	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Magnesium, Total	10600		mg/kg	8.31	1.28	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Manganese, Total	220		mg/kg	0.831	0.132	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Mercury, Total	0.241		mg/kg	0.067	0.043	1	08/24/22 09:30	08/24/22 12:02	EPA 7471B	1,7471B	DMB
Nickel, Total	28.6		mg/kg	2.08	0.201	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Potassium, Total	2940		mg/kg	208	12.0	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.831	0.235	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Sodium, Total	297		mg/kg	166	2.62	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.66	0.262	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Vanadium, Total	24.8		mg/kg	0.831	0.169	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC
Zinc, Total	65.2		mg/kg	4.15	0.243	2	08/24/22 08:10	08/24/22 16:49	EPA 3050B	1,6010D	MC

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-30
Client ID: SB-07 (4-7')
Sample Location: Not Specified
Date Collected: 08/23/22 13:40
Date Received: 08/23/22
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	6580		mg/kg	9.04	2.44	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.52	0.344	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Arsenic, Total	1.57		mg/kg	0.904	0.188	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Barium, Total	36.9		mg/kg	0.904	0.157	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Beryllium, Total	0.244	J	mg/kg	0.452	0.030	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Cadmium, Total	0.398	J	mg/kg	0.904	0.089	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Calcium, Total	1060		mg/kg	9.04	3.16	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Chromium, Total	11.9		mg/kg	0.904	0.087	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Cobalt, Total	5.24		mg/kg	1.81	0.150	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Copper, Total	7.02		mg/kg	0.904	0.233	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Iron, Total	10800		mg/kg	4.52	0.816	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Lead, Total	7.61		mg/kg	4.52	0.242	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Magnesium, Total	2450		mg/kg	9.04	1.39	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Manganese, Total	252		mg/kg	0.904	0.144	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.073	0.048	1	08/24/22 09:30	08/24/22 12:06	EPA 7471B	1,7471B	DMB
Nickel, Total	10.3		mg/kg	2.26	0.219	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Potassium, Total	1310		mg/kg	226	13.0	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.81	0.233	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.904	0.256	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Sodium, Total	110	J	mg/kg	181	2.85	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.81	0.285	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Vanadium, Total	14.5		mg/kg	0.904	0.184	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC
Zinc, Total	36.4		mg/kg	4.52	0.265	2	08/24/22 08:10	08/24/22 16:54	EPA 3050B	1,6010D	MC

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified
Date Collected: 08/23/22 13:45
Date Received: 08/23/22
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	4220		mg/kg	8.35	2.25	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.17	0.317	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Arsenic, Total	1.37		mg/kg	0.835	0.174	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Barium, Total	20.0		mg/kg	0.835	0.145	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Beryllium, Total	0.234	J	mg/kg	0.417	0.028	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Cadmium, Total	0.267	J	mg/kg	0.835	0.082	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Calcium, Total	414		mg/kg	8.35	2.92	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Chromium, Total	6.10		mg/kg	0.835	0.080	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Cobalt, Total	3.11		mg/kg	1.67	0.139	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Copper, Total	4.74		mg/kg	0.835	0.215	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Iron, Total	7150		mg/kg	4.17	0.754	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Lead, Total	3.39	J	mg/kg	4.17	0.224	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Magnesium, Total	1420		mg/kg	8.35	1.28	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Manganese, Total	238		mg/kg	0.835	0.133	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.068	0.044	1	08/24/22 09:30	08/24/22 12:09	EPA 7471B	1,7471B	DMB
Nickel, Total	6.21		mg/kg	2.09	0.202	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Potassium, Total	458		mg/kg	209	12.0	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Selenium, Total	ND		mg/kg	1.67	0.215	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.835	0.236	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Sodium, Total	72.0	J	mg/kg	167	2.63	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.67	0.263	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Vanadium, Total	8.67		mg/kg	0.835	0.170	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC
Zinc, Total	16.8		mg/kg	4.17	0.245	2	08/24/22 08:10	08/24/22 16:58	EPA 3050B	1,6010D	MC

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33 Date Collected: 08/23/22 14:30

Client ID: FIELD BLANK_SOIL_8.23.22 Date Received: 08/23/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.0442		mg/l	0.0100	0.00327	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/24/22 22:44	08/26/22 11:46	EPA 7470A	1,7470A	DMB
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/24/22 19:44	08/29/22 17:25	EPA 3005A	1,6020B	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-36
Client ID: WC-15
Sample Location: Not Specified
Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%
TCLP/SPLP Ext. Date: 08/25/22 07:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Barium, TCLP	0.552		mg/l	0.500	0.021	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/29/22 16:20	08/29/22 22:12	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/29/22 17:04	08/30/22 08:04	EPA 3015	1,6010D	EW

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-36
Client ID: WC-15
Sample Location: Not Specified
Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 96%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	ND		mg/kg	0.065	0.043	1	08/24/22 09:30	08/24/22 12:12	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified
Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4750		mg/kg	8.28	2.24	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.14	0.315	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Arsenic, Total	1.96		mg/kg	0.828	0.172	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Barium, Total	38.9		mg/kg	0.828	0.144	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Beryllium, Total	0.263	J	mg/kg	0.414	0.027	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Cadmium, Total	0.132	J	mg/kg	0.828	0.081	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Calcium, Total	4980		mg/kg	8.28	2.90	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Chromium, Total	8.34		mg/kg	0.828	0.080	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Cobalt, Total	3.17		mg/kg	1.66	0.137	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Copper, Total	11.4		mg/kg	0.828	0.214	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Iron, Total	8120		mg/kg	4.14	0.748	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Lead, Total	49.0		mg/kg	4.14	0.222	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Magnesium, Total	1720		mg/kg	8.28	1.28	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Manganese, Total	264		mg/kg	0.828	0.132	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Mercury, Total	0.162		mg/kg	0.074	0.048	1	08/25/22 00:30	08/26/22 08:04	EPA 7471B	1,7471B	DMB
Nickel, Total	6.99		mg/kg	2.07	0.200	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Potassium, Total	560		mg/kg	207	11.9	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.66	0.214	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.828	0.234	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Sodium, Total	458		mg/kg	166	2.61	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.66	0.261	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Vanadium, Total	10.5		mg/kg	0.828	0.168	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP
Zinc, Total	45.7		mg/kg	4.14	0.243	2	08/25/22 23:47	08/29/22 10:46	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified
Date Collected: 08/24/22 10:15
Date Received: 08/24/22
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	5410		mg/kg	8.86	2.39	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.43	0.336	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Arsenic, Total	2.03		mg/kg	0.886	0.184	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Barium, Total	69.7		mg/kg	0.886	0.154	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Beryllium, Total	0.271	J	mg/kg	0.443	0.029	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Cadmium, Total	0.161	J	mg/kg	0.886	0.087	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Calcium, Total	1130		mg/kg	8.86	3.10	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Chromium, Total	9.53		mg/kg	0.886	0.085	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Cobalt, Total	3.85		mg/kg	1.77	0.147	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Copper, Total	22.0		mg/kg	0.886	0.228	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Iron, Total	8980		mg/kg	4.43	0.800	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Lead, Total	55.4		mg/kg	4.43	0.237	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Magnesium, Total	1940		mg/kg	8.86	1.36	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Manganese, Total	100		mg/kg	0.886	0.141	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Mercury, Total	0.086		mg/kg	0.078	0.051	1	08/25/22 00:30	08/26/22 08:08	EPA 7471B	1,7471B	DMB
Nickel, Total	8.43		mg/kg	2.21	0.214	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Potassium, Total	614		mg/kg	221	12.8	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.77	0.228	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.886	0.251	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Sodium, Total	139	J	mg/kg	177	2.79	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.77	0.279	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Vanadium, Total	12.1		mg/kg	0.886	0.180	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP
Zinc, Total	70.9		mg/kg	4.43	0.259	2	08/25/22 23:47	08/29/22 10:50	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42
Client ID: SB-22 (1-3')
Sample Location: Not Specified
Date Collected: 08/24/22 13:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5450		mg/kg	8.77	2.37	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.38	0.333	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Arsenic, Total	6.56		mg/kg	0.877	0.182	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Barium, Total	218		mg/kg	0.877	0.152	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Beryllium, Total	0.288	J	mg/kg	0.438	0.029	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Cadmium, Total	1.01		mg/kg	0.877	0.086	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Calcium, Total	21300		mg/kg	8.77	3.07	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Chromium, Total	14.9		mg/kg	0.877	0.084	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Cobalt, Total	3.82		mg/kg	1.75	0.146	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Copper, Total	40.9		mg/kg	0.877	0.226	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Iron, Total	14400		mg/kg	4.38	0.792	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Lead, Total	1010		mg/kg	4.38	0.235	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Magnesium, Total	2630		mg/kg	8.77	1.35	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Manganese, Total	240		mg/kg	0.877	0.139	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Mercury, Total	2.75		mg/kg	0.091	0.059	1	08/25/22 00:30	08/26/22 08:11	EPA 7471B	1,7471B	DMB
Nickel, Total	7.90		mg/kg	2.19	0.212	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Potassium, Total	489		mg/kg	219	12.6	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Selenium, Total	0.457	J	mg/kg	1.75	0.226	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.877	0.248	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Sodium, Total	633		mg/kg	175	2.76	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.75	0.276	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Vanadium, Total	15.9		mg/kg	0.877	0.178	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP
Zinc, Total	636		mg/kg	4.38	0.257	2	08/25/22 23:47	08/29/22 10:53	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified
Date Collected: 08/24/22 13:35
Date Received: 08/24/22
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	2140		mg/kg	8.33	2.25	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.16	0.316	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Arsenic, Total	2.62		mg/kg	0.833	0.173	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Barium, Total	23.6		mg/kg	0.833	0.145	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Beryllium, Total	0.205	J	mg/kg	0.416	0.028	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.833	0.082	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Calcium, Total	1840		mg/kg	8.33	2.92	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Chromium, Total	10.3		mg/kg	0.833	0.080	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Cobalt, Total	1.54	J	mg/kg	1.66	0.138	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Copper, Total	7.30		mg/kg	0.833	0.215	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Iron, Total	6400		mg/kg	4.16	0.752	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Lead, Total	19.6		mg/kg	4.16	0.223	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Magnesium, Total	786		mg/kg	8.33	1.28	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Manganese, Total	124		mg/kg	0.833	0.132	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Mercury, Total	0.112		mg/kg	0.081	0.053	1	08/25/22 00:30	08/26/22 08:21	EPA 7471B	1,7471B	DMB
Nickel, Total	3.58		mg/kg	2.08	0.202	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Potassium, Total	200	J	mg/kg	208	12.0	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.66	0.215	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.833	0.236	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Sodium, Total	100	J	mg/kg	166	2.62	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.66	0.262	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Vanadium, Total	14.4		mg/kg	0.833	0.169	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP
Zinc, Total	25.4		mg/kg	4.16	0.244	2	08/25/22 23:47	08/29/22 11:38	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified
Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4040		mg/kg	8.40	2.27	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.20	0.319	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Arsenic, Total	0.820	J	mg/kg	0.840	0.175	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Barium, Total	12.4		mg/kg	0.840	0.146	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Beryllium, Total	0.213	J	mg/kg	0.420	0.028	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.840	0.082	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Calcium, Total	475		mg/kg	8.40	2.94	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Chromium, Total	5.58		mg/kg	0.840	0.081	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Cobalt, Total	2.60		mg/kg	1.68	0.139	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Copper, Total	5.23		mg/kg	0.840	0.217	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Iron, Total	6760		mg/kg	4.20	0.759	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Lead, Total	3.02	J	mg/kg	4.20	0.225	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Magnesium, Total	1450		mg/kg	8.40	1.29	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Manganese, Total	228		mg/kg	0.840	0.134	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Mercury, Total	ND		mg/kg	0.079	0.052	1	08/25/22 00:30	08/26/22 08:24	EPA 7471B	1,7471B	DMB
Nickel, Total	5.97		mg/kg	2.10	0.203	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Potassium, Total	399		mg/kg	210	12.1	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.840	0.238	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Sodium, Total	28.8	J	mg/kg	168	2.65	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Vanadium, Total	7.57		mg/kg	0.840	0.170	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP
Zinc, Total	11.2		mg/kg	4.20	0.246	2	08/25/22 23:47	08/29/22 11:42	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI
Lab Number: L2245374
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified
Date Collected: 08/24/22 14:00
Date Received: 08/24/22
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	7650		mg/kg	8.94	2.41	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.47	0.340	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Arsenic, Total	5.69		mg/kg	0.894	0.186	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Barium, Total	73.8		mg/kg	0.894	0.156	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Beryllium, Total	0.428	J	mg/kg	0.447	0.030	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Cadmium, Total	0.376	J	mg/kg	0.894	0.088	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Calcium, Total	3970		mg/kg	8.94	3.13	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Chromium, Total	18.4		mg/kg	0.894	0.086	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Cobalt, Total	6.28		mg/kg	1.79	0.148	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Copper, Total	36.0		mg/kg	0.894	0.231	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Iron, Total	13400		mg/kg	4.47	0.807	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Lead, Total	115		mg/kg	4.47	0.240	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Magnesium, Total	5110		mg/kg	8.94	1.38	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Manganese, Total	312		mg/kg	0.894	0.142	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Mercury, Total	0.336		mg/kg	0.091	0.059	1	08/25/22 00:30	08/26/22 08:28	EPA 7471B	1,7471B	DMB
Nickel, Total	14.7		mg/kg	2.24	0.216	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Potassium, Total	1050		mg/kg	224	12.9	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Selenium, Total	0.264	J	mg/kg	1.79	0.231	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.894	0.253	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Sodium, Total	187		mg/kg	179	2.82	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.79	0.282	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Vanadium, Total	38.4		mg/kg	0.894	0.182	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP
Zinc, Total	150		mg/kg	4.47	0.262	2	08/25/22 23:47	08/29/22 11:45	EPA 3050B	1,6010D	WP

Project Name: 101 E 150ST STREET RI **Lab Number:** L2245374

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1678500-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Barium, Total	0.084	J	mg/kg	0.400	0.070	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Copper, Total	ND		mg/kg	0.400	0.103	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Iron, Total	ND		mg/kg	2.00	0.361	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Lead, Total	ND		mg/kg	2.00	0.107	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Potassium, Total	ND		mg/kg	100	5.76	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Silver, Total	ND		mg/kg	0.400	0.113	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Sodium, Total	4.02	J	mg/kg	80.0	1.26	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/23/22 08:35	08/23/22 16:23	1,6010D	EW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12,14-15,17,20,22 Batch: WG1678508-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/23/22 10:50	08/23/22 15:41	1,7471B	DMB

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

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): 24,26,28,30,32 Batch: WG1678972-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Barium, Total	ND		mg/kg	0.400	0.070	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Copper, Total	ND		mg/kg	0.400	0.103	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Iron, Total	ND		mg/kg	2.00	0.361	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Lead, Total	ND		mg/kg	2.00	0.107	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Potassium, Total	ND		mg/kg	100	5.76	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Silver, Total	ND		mg/kg	0.400	0.113	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/24/22 08:10	08/24/22 14:58	1,6010D	MC

Prep Information

Digestion Method: EPA 3050B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 24,26,28,30,32,36 Batch: WG1678977-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/24/22 09:30	08/24/22 11:26	1,7471B	DMB

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): 33 Batch: WG1679265-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Thallium, Total	ND		mg/l	0.00100	0.00014	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/24/22 19:44	08/29/22 16:19	1,6020B	WP

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

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): 33 Batch: WG1679266-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/24/22 22:44	08/26/22 11:39	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 20,22 Batch: WG1679731-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/26/22 00:40	08/26/22 08:49	1,6010D	EW

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/24/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 20,22 Batch: WG1679738-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/26/22 00:30	08/26/22 08:04	1,7470A	DMB

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/24/22 08:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 38,40,42,44,46,48 Batch: WG1679862-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Barium, Total	ND		mg/kg	0.400	0.070	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Copper, Total	ND		mg/kg	0.400	0.103	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Iron, Total	ND		mg/kg	2.00	0.361	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Lead, Total	ND		mg/kg	2.00	0.107	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Potassium, Total	ND		mg/kg	100	5.76	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Silver, Total	ND		mg/kg	0.400	0.113	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/25/22 23:47	08/29/22 10:39	1,6010D	WP

Prep Information

Digestion Method: EPA 3050B

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 38,40,42,44,46,48 Batch: WG1679864-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/25/22 00:30	08/26/22 07:44	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 36 Batch: WG1680964-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/29/22 17:04	08/30/22 07:49	1,6010D	EW

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/25/22 07:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 36 Batch: WG1680965-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/29/22 16:20	08/29/22 21:58	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 08/25/22 07:10

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1678500-2 SRM Lot Number: D113-540								
Aluminum, Total	64		-		51-149	-		
Antimony, Total	157		-		20-250	-		
Arsenic, Total	89		-		70-130	-		
Barium, Total	82		-		75-125	-		
Beryllium, Total	87		-		75-125	-		
Cadmium, Total	82		-		75-125	-		
Calcium, Total	83		-		73-128	-		
Chromium, Total	85		-		70-130	-		
Cobalt, Total	89		-		75-125	-		
Copper, Total	84		-		75-125	-		
Iron, Total	79		-		36-164	-		
Lead, Total	87		-		72-128	-		
Magnesium, Total	80		-		63-138	-		
Manganese, Total	79		-		77-123	-		
Nickel, Total	87		-		70-130	-		
Potassium, Total	78		-		59-141	-		
Selenium, Total	83		-		66-134	-		
Silver, Total	83		-		70-131	-		
Sodium, Total	83		-		35-164	-		
Thallium, Total	80		-		70-130	-		
Vanadium, Total	83		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 Batch: WG1678500-2 SRM Lot Number: D113-540					
Zinc, Total	84	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,20,22 Batch: WG1678508-2 SRM Lot Number: D113-540					
Mercury, Total	98	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32 Batch: WG1678972-2 SRM Lot Number: D113-540					
Aluminum, Total	70	-	51-149	-	
Antimony, Total	170	-	20-250	-	
Arsenic, Total	90	-	70-130	-	
Barium, Total	84	-	75-125	-	
Beryllium, Total	85	-	75-125	-	
Cadmium, Total	88	-	75-125	-	
Calcium, Total	88	-	73-128	-	
Chromium, Total	87	-	70-130	-	
Cobalt, Total	90	-	75-125	-	
Copper, Total	87	-	75-125	-	
Iron, Total	86	-	36-164	-	
Lead, Total	98	-	72-128	-	
Magnesium, Total	80	-	63-138	-	
Manganese, Total	85	-	77-123	-	
Nickel, Total	87	-	70-130	-	
Potassium, Total	84	-	59-141	-	
Selenium, Total	88	-	66-134	-	
Silver, Total	86	-	70-131	-	
Sodium, Total	92	-	35-164	-	
Thallium, Total	85	-	70-130	-	
Vanadium, Total	86	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32 Batch: WG1678972-2 SRM Lot Number: D113-540					
Zinc, Total	106	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,36 Batch: WG1678977-2 SRM Lot Number: D113-540					
Mercury, Total	76	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 33 Batch: WG1679265-2					
Aluminum, Total	109	-	80-120	-	
Antimony, Total	95	-	80-120	-	
Arsenic, Total	106	-	80-120	-	
Barium, Total	106	-	80-120	-	
Beryllium, Total	107	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	89	-	80-120	-	
Chromium, Total	102	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	99	-	80-120	-	
Iron, Total	98	-	80-120	-	
Lead, Total	107	-	80-120	-	
Magnesium, Total	103	-	80-120	-	
Manganese, Total	106	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	107	-	80-120	-	
Silver, Total	110	-	80-120	-	
Sodium, Total	104	-	80-120	-	
Thallium, Total	104	-	80-120	-	
Vanadium, Total	104	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 33 Batch: WG1679265-2					
Zinc, Total	100	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 33 Batch: WG1679266-2					
Mercury, Total	111	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 Batch: WG1679731-2					
Arsenic, TCLP	101	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	93	-	75-125	-	20
Chromium, TCLP	96	-	75-125	-	20
Lead, TCLP	87	-	75-125	-	20
Selenium, TCLP	94	-	75-125	-	20
Silver, TCLP	97	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 Batch: WG1679738-2					
Mercury, TCLP	95	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1679862-2 SRM Lot Number: D113-540					
Aluminum, Total	67	-	51-149	-	
Antimony, Total	120	-	20-250	-	
Arsenic, Total	86	-	70-130	-	
Barium, Total	85	-	75-125	-	
Beryllium, Total	96	-	75-125	-	
Cadmium, Total	88	-	75-125	-	
Calcium, Total	89	-	73-128	-	
Chromium, Total	88	-	70-130	-	
Cobalt, Total	88	-	75-125	-	
Copper, Total	89	-	75-125	-	
Iron, Total	79	-	36-164	-	
Lead, Total	82	-	72-128	-	
Magnesium, Total	84	-	63-138	-	
Manganese, Total	85	-	77-123	-	
Nickel, Total	90	-	70-130	-	
Potassium, Total	78	-	59-141	-	
Selenium, Total	86	-	66-134	-	
Silver, Total	86	-	70-131	-	
Sodium, Total	92	-	35-164	-	
Thallium, Total	85	-	70-130	-	
Vanadium, Total	86	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1679862-2 SRM Lot Number: D113-540					
Zinc, Total	86	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1679864-2 SRM Lot Number: D113-540					
Mercury, Total	78	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 Batch: WG1680964-2					
Arsenic, TCLP	102	-	75-125	-	20
Barium, TCLP	102	-	75-125	-	20
Cadmium, TCLP	99	-	75-125	-	20
Chromium, TCLP	95	-	75-125	-	20
Lead, TCLP	98	-	75-125	-	20
Selenium, TCLP	102	-	75-125	-	20
Silver, TCLP	100	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 Batch: WG1680965-2					
Mercury, TCLP	102	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1678500-3 WG1678500-4 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
Aluminum, Total	4530	169	5560	**610**	Q	5800	**756**	Q	75-125	4		20
Antimony, Total	ND	42.2	32.8	78		34.3	82		75-125	4		20
Arsenic, Total	0.919	10.1	9.64	86		10.2	92		75-125	6		20
Barium, Total	23.5	169	170	87		173	89		75-125	2		20
Beryllium, Total	0.194J	4.22	3.88	92		3.98	95		75-125	3		20
Cadmium, Total	0.118J	4.47	3.70	83		3.85	86		75-125	4		20
Calcium, Total	436	844	1180	88		1210	92		75-125	3		20
Chromium, Total	7.00	16.9	21.7	87		22.5	92		75-125	4		20
Cobalt, Total	2.86	42.2	36.3	79		37.5	82		75-125	3		20
Copper, Total	3.78	21.1	21.5	84		22.5	89		75-125	5		20
Iron, Total	6660	84.4	7040	**450**	Q	7400	**881**	Q	75-125	5		20
Lead, Total	3.52J	44.7	39.0	87		40.5	91		75-125	4		20
Magnesium, Total	1190	844	2000	96		2090	107		75-125	4		20
Manganese, Total	205	42.2	258	**126**	Q	255	119		75-125	1		20
Nickel, Total	5.15	42.2	39.3	81		40.8	85		75-125	4		20
Potassium, Total	301	844	1080	92		1120	97		75-125	4		20
Selenium, Total	ND	10.1	7.77	77		8.00	79		75-125	3		20
Silver, Total	ND	25.3	21.8	86		22.6	90		75-125	4		20
Sodium, Total	51.4J	844	803	95		820	98		75-125	2		20
Thallium, Total	ND	10.1	7.63	75		7.86	78		75-125	3		20
Vanadium, Total	8.01	42.2	43.0	83		44.3	86		75-125	3		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1678500-3 WG1678500-4 QC Sample: L2245374-10 Client ID: SB-06 (7-9')									
Zinc, Total	12.4	42.2	48.2	85	50.1	90	75-125	4	20
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,20,22 QC Batch ID: WG1678508-3 WG1678508-4 QC Sample: L2245374-10 Client ID: SB-06 (7-9')									
Mercury, Total	ND	1.38	1.48	108	1.43	103	80-120	3	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32 QC Batch ID: WG1678972-3 QC Sample: L2245586-01 Client ID: MS Sample										
Aluminum, Total	4260	209	4340	**38**	Q	-	-	75-125	-	20
Antimony, Total	ND	52.2	33.0	**63**	Q	-	-	75-125	-	20
Arsenic, Total	3.44	12.5	10.8	**59**	Q	-	-	75-125	-	20
Barium, Total	30.2	209	148	**56**	Q	-	-	75-125	-	20
Beryllium, Total	0.220J	5.22	3.32	**64**	Q	-	-	75-125	-	20
Cadmium, Total	0.404J	5.53	3.43	**62**	Q	-	-	75-125	-	20
Calcium, Total	13600	1040	12600	**0**	Q	-	-	75-125	-	20
Chromium, Total	6.91	20.9	18.4	**55**	Q	-	-	75-125	-	20
Cobalt, Total	5.60	52.2	32.0	**50**	Q	-	-	75-125	-	20
Copper, Total	9.22	26.1	25.9	**64**	Q	-	-	75-125	-	20
Iron, Total	7580	104	7250	**0**	Q	-	-	75-125	-	20
Lead, Total	5.98	55.3	33.8	**50**	Q	-	-	75-125	-	20
Magnesium, Total	7840	1040	7460	**0**	Q	-	-	75-125	-	20
Manganese, Total	138	52.2	149	**21**	Q	-	-	75-125	-	20
Nickel, Total	12.5	52.2	38.2	**49**	Q	-	-	75-125	-	20
Potassium, Total	420	1040	1050	**60**	Q	-	-	75-125	-	20
Selenium, Total	ND	12.5	7.48	**60**	Q	-	-	75-125	-	20
Silver, Total	ND	31.3	19.6	**63**	Q	-	-	75-125	-	20
Sodium, Total	226	1040	893	**64**	Q	-	-	75-125	-	20
Thallium, Total	ND	12.5	5.97	**48**	Q	-	-	75-125	-	20
Vanadium, Total	10.6	52.2	41.0	**58**	Q	-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32 QC Batch ID: WG1678972-3 QC Sample: L2245586-01 Client ID: MS Sample										
Zinc, Total	36.0	52.2	62.0	**50**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,36 QC Batch ID: WG1678977-3 QC Sample: L2245720-01 Client ID: MS Sample										
Mercury, Total	ND	1.37	1.32	96		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679265-3 WG1679265-4 QC Sample: L2244559-08 Client ID: MS Sample										
Aluminum, Total	0.00828J	2	2.12	106		2.30	115	75-125	8	20
Antimony, Total	ND	0.5	0.4864	97		0.4825	96	75-125	1	20
Arsenic, Total	0.00028J	0.12	0.1290	108		0.1258	105	75-125	3	20
Barium, Total	0.07144	2	2.106	102		2.113	102	75-125	0	20
Beryllium, Total	ND	0.05	0.05498	110		0.05510	110	75-125	0	20
Cadmium, Total	ND	0.053	0.05521	104		0.05468	103	75-125	1	20
Calcium, Total	12.4	10	21.7	93		21.4	90	75-125	1	20
Chromium, Total	0.00025J	0.2	0.2018	101		0.2020	101	75-125	0	20
Cobalt, Total	ND	0.5	0.4888	98		0.4943	99	75-125	1	20
Copper, Total	0.00258	0.25	0.2524	100		0.2470	98	75-125	2	20
Iron, Total	0.0327J	1	0.943	94		0.951	95	75-125	1	20
Lead, Total	ND	0.53	0.5610	106		0.5511	104	75-125	2	20
Magnesium, Total	5.91	10	15.8	99		16.4	105	75-125	4	20
Manganese, Total	0.00237	0.5	0.5200	104		0.5334	106	75-125	3	20
Nickel, Total	ND	0.5	0.4992	100		0.5004	100	75-125	0	20
Potassium, Total	56.2	10	63.0	**68**	Q	64.1	79	75-125	2	20
Selenium, Total	ND	0.12	0.130	108		0.135	112	75-125	4	20
Silver, Total	ND	0.05	0.05286	106		0.05356	107	75-125	1	20
Sodium, Total	11.3	10	20.7	94		21.7	104	75-125	5	20
Thallium, Total	0.00024J	0.12	0.1176	98		0.1166	97	75-125	1	20
Vanadium, Total	ND	0.5	0.5082	102		0.5204	104	75-125	2	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679265-3 WG1679265-4 QC Sample: L2244559-08 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.4890	98	0.4869	97	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679266-3 QC Sample: L2245374-33 Client ID: FIELD BLANK_SOIL_8.23.22									
Mercury, Total	ND	0.005	0.00519	104	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 QC Batch ID: WG1679731-3 QC Sample: L2244552-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.21	101	-	-	75-125	-	20
Barium, TCLP	0.387J	20	20.0	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.499	94	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.90	95	-	-	75-125	-	20
Lead, TCLP	0.140J	5.3	4.84	91	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.13	94	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.477	95	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 QC Batch ID: WG1679738-3 QC Sample: L2244552-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0237	95	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679862-3 QC Sample: L2245942-01 Client ID: MS Sample										
Aluminum, Total	7450	196	8450	**511**	Q	-	-	75-125	-	20
Antimony, Total	ND	48.9	34.9	**71**	Q	-	-	75-125	-	20
Arsenic, Total	2.81	11.7	13.2	88		-	-	75-125	-	20
Barium, Total	29.4	196	196	85		-	-	75-125	-	20
Beryllium, Total	0.366J	4.89	4.70	96		-	-	75-125	-	20
Cadmium, Total	0.119J	5.18	4.62	89		-	-	75-125	-	20
Calcium, Total	2230	978	3160	95		-	-	75-125	-	20
Chromium, Total	12.4	19.6	30.6	93		-	-	75-125	-	20
Cobalt, Total	6.87	48.9	48.8	86		-	-	75-125	-	20
Copper, Total	25.0	24.4	46.7	89		-	-	75-125	-	20
Iron, Total	18400	97.8	19600	**1230**	Q	-	-	75-125	-	20
Lead, Total	16.4	51.8	57.4	79		-	-	75-125	-	20
Magnesium, Total	3870	978	5220	**138**	Q	-	-	75-125	-	20
Manganese, Total	209	48.9	266	116		-	-	75-125	-	20
Nickel, Total	16.6	48.9	59.9	88		-	-	75-125	-	20
Potassium, Total	323	978	1180	88		-	-	75-125	-	20
Selenium, Total	ND	11.7	9.47	81		-	-	75-125	-	20
Silver, Total	ND	29.3	27.0	92		-	-	75-125	-	20
Sodium, Total	35.4J	978	974	100		-	-	75-125	-	20
Thallium, Total	ND	11.7	9.34	80		-	-	75-125	-	20
Vanadium, Total	10.0	48.9	56.3	95		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679862-3 QC Sample: L2245942-01 Client ID: MS Sample									
Zinc, Total	57.7	48.9	97.8	82	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679864-3 QC Sample: L2245942-01 Client ID: MS Sample									
Mercury, Total	0.081J	1.88	1.81	96	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 QC Batch ID: WG1680964-3 QC Sample: L2245374-36 Client ID: WC-15									
Arsenic, TCLP	ND	1.2	1.30	108	-	-	75-125	-	20
Barium, TCLP	0.552	20	21.9	107	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.552	104	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.99	100	-	-	75-125	-	20
Lead, TCLP	ND	5.3	5.49	104	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.30	108	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.522	104	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 QC Batch ID: WG1680965-3 QC Sample: L2245374-36 Client ID: WC-15									
Mercury, TCLP	ND	0.025	0.0228	91	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32 QC Batch ID: WG1678972-4 QC Sample: L2245586-01 Client ID: DUP Sample						
Nickel, Total	12.5	16.1	mg/kg	**25**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,36 QC Batch ID: WG1678977-4 QC Sample: L2245720-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679266-4 QC Sample: L2245374-33 Client ID: FIELD BLANK_SOIL_8.23.22						
Mercury, Total	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 QC Batch ID: WG1679731-4 QC Sample: L2244552-01 Client ID: DUP Sample						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.387J	0.387J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.140J	0.145J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 20,22 QC Batch ID: WG1679738-4 QC Sample: L2244552-01 Client ID: DUP Sample						
Mercury, TCLP	ND	ND	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679862-4 QC Sample: L2245942-01 Client ID: DUP Sample						
Aluminum, Total	7450	5570	mg/kg	**29**	Q	20
Antimony, Total	ND	ND	mg/kg	NC		20
Arsenic, Total	2.81	1.96	mg/kg	**36**	Q	20
Barium, Total	29.4	19.7	mg/kg	**40**	Q	20
Beryllium, Total	0.366J	0.232J	mg/kg	NC		20
Cadmium, Total	0.119J	0.127J	mg/kg	NC		20
Calcium, Total	2230	1540	mg/kg	**37**	Q	20
Chromium, Total	12.4	10.9	mg/kg	13		20
Cobalt, Total	6.87	5.65	mg/kg	19		20
Copper, Total	25.0	21.7	mg/kg	14		20
Iron, Total	18400	13600	mg/kg	**30**	Q	20
Lead, Total	16.4	12.5	mg/kg	**27**	Q	20
Magnesium, Total	3870	3110	mg/kg	**22**	Q	20
Manganese, Total	209	162	mg/kg	**25**	Q	20
Nickel, Total	16.6	15.2	mg/kg	9		20
Potassium, Total	323	256	mg/kg	**23**	Q	20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Sodium, Total	35.4J	28.3J	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679862-4 QC Sample: L2245942-01 Client ID: DUP Sample						
Thallium, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	10.0	7.62	mg/kg	**27**	Q	20
Zinc, Total	57.7	63.3	mg/kg	9		20
Total Metals - Mansfield Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1679864-4 QC Sample: L2245942-01 Client ID: DUP Sample						
Mercury, Total	0.081J	ND	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 QC Batch ID: WG1680964-4 QC Sample: L2245374-36 Client ID: WC-15						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.552	0.619	mg/l	11		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 36 QC Batch ID: WG1680965-4 QC Sample: L2245374-36 Client ID: WC-15						
Mercury, TCLP	ND	ND	mg/l	NC		20

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15,17 QC Batch ID: WG1678500-6 QC Sample: L2245374-10 Client ID: SB-06 (7-9')						
Aluminum, Total	4530	5470	mg/kg	**21**	Q	20
Barium, Total	23.5	28.7	mg/kg	**22**	Q	20
Calcium, Total	436	525	mg/kg	20		20
Iron, Total	6660	8150	mg/kg	**22**	Q	20
Magnesium, Total	1190	1450	mg/kg	**22**	Q	20
Manganese, Total	205	250	mg/kg	**22**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 33 QC Batch ID: WG1679265-6 QC Sample: L2244559-08 Client ID: DUP Sample						
Barium, Total	0.07144	0.07115	mg/l	0		20
Calcium, Total	12.4	12.3	mg/l	1		20
Magnesium, Total	5.91	5.71	mg/l	3		20
Potassium, Total	56.2	55.7	mg/l	1		20
Sodium, Total	11.3	10.9	mg/l	4		20

INORGANICS
&
MISCELLANEOUS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-20
Client ID: WC-03
Sample Location: Not Specified

Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/26/22 18:26	1,1030	MD

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-22
Client ID: WC-07
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/26/22 18:26	1,1030	MD

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-36
Client ID: WC-15
Sample Location: Not Specified

Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Soil
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/29/22 15:06	1,1030	MD

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-01
Client ID: SB-04 (7')
Sample Location: Not Specified

Date Collected: 08/22/22 08:50
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.7		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-02
Client ID: SB-04 (4-7')
Sample Location: Not Specified

Date Collected: 08/22/22 08:50
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.1		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	0.99	0.21	1	08/25/22 12:50	08/26/22 12:58	1,9010C/9012B	JR
Chromium, Hexavalent	0.397	J	mg/kg	0.859	0.172	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-03
Client ID: SB-04 (9')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-04
Client ID: SB-04 (8-10')
Sample Location: Not Specified

Date Collected: 08/22/22 08:55
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/25/22 12:50	08/26/22 12:59	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.902	0.180	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-05
Client ID: SB-06 (1.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.3		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-06
Client ID: SB-06 (0.5-2.5')
Sample Location: Not Specified

Date Collected: 08/22/22 11:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/24/22 20:10	08/26/22 11:11	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.909	0.182	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-07
Client ID: SB-06 (6')
Sample Location: Not Specified

Date Collected: 08/22/22 11:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.1		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-08
Client ID: SB-06 (3-7')
Sample Location: Not Specified

Date Collected: 08/22/22 11:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.8		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 20:10	08/26/22 11:14	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.862	0.172	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-09
Client ID: SB-06 (8')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-10
Client ID: SB-06 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 11:10
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/24/22 20:10	08/26/22 11:15	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.863	0.172	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-11
Client ID: SB-03 (1')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.6		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-12
Client ID: SB-03 (1-3')
Sample Location: Not Specified

Date Collected: 08/22/22 13:15
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/24/22 20:10	08/26/22 11:18	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.924	0.185	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-13
Client ID: SB-03 (6')
Sample Location: Not Specified

Date Collected: 08/22/22 13:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-14
Client ID: SB-03 (4-7')
Sample Location: Not Specified

Date Collected: 08/22/22 13:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.2		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 20:10	08/26/22 11:19	1,9010C/9012B	JR
Chromium, Hexavalent	0.291	J	mg/kg	0.897	0.179	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-15
Client ID: SB-03 (7-9')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.3		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.27	1	08/24/22 20:10	08/26/22 11:20	1,9010C/9012B	JR
Chromium, Hexavalent	0.579	J	mg/kg	1.08	0.215	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-16
Client ID: SB-03 (8')
Sample Location: Not Specified

Date Collected: 08/22/22 13:25
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-17
Client ID: DUP-SOIL-8.22.22
Sample Location: Not Specified

Date Collected: 08/22/22 00:00
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/25/22 12:50	08/26/22 13:00	1,9010C/9012B	JR
Chromium, Hexavalent	0.230	J	mg/kg	0.878	0.176	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-19
Client ID: WC-03 (1')
Sample Location: Not Specified

Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.0		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-20
Client ID: WC-03
Sample Location: Not Specified

Date Collected: 08/22/22 09:05
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 14:30	08/25/22 11:00	1,9010C/9012B	JR
pH (H)	11.2		SU	-	NA	1	-	08/23/22 11:11	1,9045D	ES
Chromium, Hexavalent	ND		mg/kg	0.875	0.175	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 12:20	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 11:18	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/23/22 17:06	1,9095B	AS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-21
Client ID: WC-07 (2')
Sample Location: Not Specified

Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.0		%	0.100	NA	1	-	08/23/22 07:54	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-22
Client ID: WC-07
Sample Location: Not Specified

Date Collected: 08/22/22 11:20
Date Received: 08/22/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.4		%	0.100	NA	1	-	08/23/22 07:37	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	08/24/22 20:10	08/26/22 11:21	1,9010C/9012B	JR
pH (H)	8.5		SU	-	NA	1	-	08/23/22 11:11	1,9045D	ES
Chromium, Hexavalent	0.444	J	mg/kg	0.959	0.192	1	08/24/22 21:00	08/25/22 11:20	1,7196A	MC
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 12:20	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 11:19	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/23/22 17:06	1,9095B	AS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-23
Client ID: SB-01 (2')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-24
Client ID: SB-01 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 09:55
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 14:30	08/25/22 10:41	1,9010C/9012B	JR
Chromium, Hexavalent	0.176	J	mg/kg	0.879	0.176	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-25
Client ID: SB-01 (20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.7		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-26
Client ID: SB-01 (18-20')
Sample Location: Not Specified

Date Collected: 08/23/22 10:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.8		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/24/22 14:30	08/25/22 10:42	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.853	0.170	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-27
Client ID: SB-07 (1')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.2		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-28
Client ID: SB-07 (1-3')
Sample Location: Not Specified

Date Collected: 08/23/22 13:35
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.5		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/24/22 14:30	08/25/22 10:43	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.846	0.169	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-29
Client ID: SB-07 (5')
Sample Location: Not Specified

Date Collected: 08/23/22 13:40
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.0		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-30
Client ID: SB-07 (4-7')
Sample Location: Not Specified

Date Collected: 08/23/22 13:40
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.2		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.6	0.34	1.4	08/24/22 14:30	08/25/22 11:20	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.928	0.186	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-31
Client ID: SB-07 (9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-32
Client ID: SB-07 (7-9')
Sample Location: Not Specified

Date Collected: 08/23/22 13:45
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 14:30	08/25/22 10:47	1,9010C/9012B	JR
Chromium, Hexavalent	ND		mg/kg	0.858	0.172	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-33
Client ID: FIELD BLANK_SOIL_8.23.22
Sample Location: Not Specified

Date Collected: 08/23/22 14:30
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/22 21:00	08/29/22 09:56	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/24/22 07:15	08/24/22 07:38	1,7196A	KP

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-35
Client ID: WC-15(6')
Sample Location: Not Specified

Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.9		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-36
Client ID: WC-15
Sample Location: Not Specified

Date Collected: 08/23/22 14:00
Date Received: 08/23/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/24/22 08:36	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/24/22 14:30	08/25/22 10:48	1,9010C/9012B	JR
pH (H)	7.2		SU	-	NA	1	-	08/26/22 21:17	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.832	0.166	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 14:25	08/25/22 15:57	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 14:25	08/25/22 15:34	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/25/22 17:18	1,9095B	AS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-37
Client ID: SB-02 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-38
Client ID: SB-02 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 09:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.1		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 08:51	1,9010C/9012B	CS
Chromium, Hexavalent	0.651	J	mg/kg	0.869	0.174	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-39
Client ID: SB-02 (10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.4		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-40
Client ID: SB-02 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 10:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/28/22 16:10	08/29/22 08:56	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.924	0.185	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-41
Client ID: SB-22 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 13:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-42
Client ID: SB-22 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 13:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.0		%	0.100	NA	1	-	08/25/22 16:13	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.24	1	08/28/22 16:10	08/29/22 08:57	1,9010C/9012B	CS
Chromium, Hexavalent	0.864	J	mg/kg	0.909	0.182	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-43
Client ID: SB-22 (5')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.1		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-44
Client ID: SB-22 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 13:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.0		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 08:58	1,9010C/9012B	CS
Chromium, Hexavalent	0.527	J	mg/kg	0.860	0.172	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-45
Client ID: SB-22 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.3		%	0.100	NA	1	-	08/25/22 07:29	121,2540G	CG

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-46
Client ID: SB-22 (7-9')
Sample Location: Not Specified

Date Collected: 08/24/22 13:40
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/25/22 16:13	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 08:59	1,9010C/9012B	CS
Chromium, Hexavalent	0.228	J	mg/kg	0.868	0.174	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-47
Client ID: SB-24 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.6		%	0.100	NA	1	-	08/25/22 16:13	121,2540G	MF

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2245374-48
Client ID: SB-24 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	08/25/22 16:13	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 09:00	1,9010C/9012B	CS
Chromium, Hexavalent	0.487	J	mg/kg	0.927	0.185	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 20,22 Batch: WG1678517-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 11:12	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 20,22 Batch: WG1678522-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/23/22 09:55	08/23/22 12:13	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 33 Batch: WG1678994-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/24/22 07:15	08/24/22 07:35	1,7196A	KP
General Chemistry - Westborough Lab for sample(s): 24,26,28,30,32,36 Batch: WG1679158-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	08/24/22 14:30	08/25/22 10:37	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 20 Batch: WG1679159-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	08/24/22 14:30	08/25/22 10:37	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 06,08,10,12,14-15,22 Batch: WG1679221-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	08/24/22 20:10	08/26/22 11:04	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 02,04,17 Batch: WG1679357-1										
Cyanide, Total	ND		mg/kg	0.87	0.18	1	08/25/22 12:50	08/26/22 12:51	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 02,04,06,08,10,12,14-15,17,20 Batch: WG1679436-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/24/22 21:00	08/25/22 10:07	1,7196A	MC
General Chemistry - Westborough Lab for sample(s): 22 Batch: WG1679437-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/24/22 21:00	08/25/22 11:20	1,7196A	MC
General Chemistry - Westborough Lab for sample(s): 36 Batch: WG1679648-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 14:25	08/25/22 15:33	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 36 Batch: WG1679668-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 14:25	08/25/22 15:56	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 24,26,28,30,32,36 Batch: WG1680490-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/27/22 10:00	08/27/22 22:30	1,7196A	JT
General Chemistry - Westborough Lab for sample(s): 38,40,42,44,46,48 Batch: WG1680625-1										
Cyanide, Total	ND		mg/kg	0.92	0.19	1	08/28/22 16:10	08/29/22 08:33	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 33 Batch: WG1680673-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/28/22 21:00	08/29/22 09:50	1,9010C/9012B	CS

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2245374
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 38,40,42,44,46,48 Batch: WG1680753-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 20,22 Batch: WG1678517-2								
Sulfide, Reactive	114		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 20,22 Batch: WG1678522-2								
Cyanide, Reactive	69		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 20,22 Batch: WG1678601-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 33 Batch: WG1678994-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30,32,36 Batch: WG1679158-2 WG1679158-3								
Cyanide, Total	**64**	Q	92		80-120	**36**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 20 Batch: WG1679159-2 WG1679159-3								
Cyanide, Total	**64**	Q	92		80-120	**36**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12,14-15,22 Batch: WG1679221-2 WG1679221-3								
Cyanide, Total	88		83		80-120	6		35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery		LCSD %Recovery		%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,17 Batch: WG1679357-2 WG1679357-3							
Cyanide, Total	**72**	Q	**76**	Q	80-120	19	35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,20 Batch: WG1679436-2							
Chromium, Hexavalent	86		-		80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 22 Batch: WG1679437-2							
Chromium, Hexavalent	85		-		80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 36 Batch: WG1679648-2							
Sulfide, Reactive	111		-		60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 36 Batch: WG1679668-2							
Cyanide, Reactive	91		-		30-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 36 Batch: WG1680253-1							
pH	101		-		99-101	-	
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30,32,36 Batch: WG1680490-2							
Chromium, Hexavalent	108		-		80-120	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2245374

Report Date: 09/19/22

Parameter	LCS %Recovery		LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1680625-2 WG1680625-3						
Cyanide, Total	**67**	Q	80	80-120	14	35
General Chemistry - Westborough Lab Associated sample(s): 33 Batch: WG1680673-2 WG1680673-3						
Cyanide, Total	107		112	85-115	5	20
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,46,48 Batch: WG1680753-2						
Chromium, Hexavalent	81		-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 33 QC Batch ID: WG1678994-4 QC Sample: L2245374-33 Client ID: FIELD BLANK_SOIL_8.23.22												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30,32,36 QC Batch ID: WG1679158-4 WG1679158-5 QC Sample: L2245706-01 Client ID: MS Sample												
Cyanide, Total	ND	12	13	110		12	99		75-125	8		35
General Chemistry - Westborough Lab Associated sample(s): 20 QC Batch ID: WG1679159-4 WG1679159-5 QC Sample: L2245688-01 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		11	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12,14-15,22 QC Batch ID: WG1679221-4 WG1679221-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
Cyanide, Total	ND	10	10	96		11	110		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,17 QC Batch ID: WG1679357-4 WG1679357-5 QC Sample: L2245927-02 Client ID: MS Sample												
Cyanide, Total	ND	10	11	110		11	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,20 QC Batch ID: WG1679436-4 WG1679436-5 QC Sample: L2245374-10 Client ID: SB-06 (7-9')												
Chromium, Hexavalent	ND	1160	1190	103		1150	94		75-125	3		20
General Chemistry - Westborough Lab Associated sample(s): 22 QC Batch ID: WG1679437-4 QC Sample: L2245374-22 Client ID: WC-07												
Chromium, Hexavalent	0.444J	1180	1140	97		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30,32,36 QC Batch ID: WG1680490-4 QC Sample: L2245374-24 Client ID: SB-01 (1-3')												
Chromium, Hexavalent	0.176J	1300	1140	88		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1680625-4 WG1680625-5 QC Sample: L2245374-38 Client ID: SB-02 (1-3')											
Cyanide, Total	ND	11	9.9	92		11	100		75-125	11	35
General Chemistry - Westborough Lab Associated sample(s): 33 QC Batch ID: WG1680673-4 WG1680673-5 QC Sample: L2246010-03 Client ID: MS Sample											
Cyanide, Total	ND	0.2	0.174	87		0.154	**77**	Q	80-120	12	20
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1680753-4 WG1680753-5 QC Sample: L2246011-08 Client ID: MS Sample											
Chromium, Hexavalent	0.287J	1000	1080	107		1420	98		75-125	10	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 22 QC Batch ID: WG1678467-1 QC Sample: L2244887-54 Client ID: DUP Sample						
Solids, Total	92.6	92.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-17,19-21 QC Batch ID: WG1678469-1 QC Sample: L2245374-10 Client ID: SB-06 (7-9')						
Solids, Total	92.7	93.0	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 20,22 QC Batch ID: WG1678517-3 QC Sample: L2245029-02 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 20,22 QC Batch ID: WG1678522-3 QC Sample: L2245029-02 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 20,22 QC Batch ID: WG1678601-2 QC Sample: L2244977-01 Client ID: DUP Sample						
pH	6.0	6.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 23-32,35-36 QC Batch ID: WG1678955-1 QC Sample: L2245374-23 Client ID: SB-01 (2')						
Solids, Total	91.9	91.9	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 33 QC Batch ID: WG1678994-3 QC Sample: L2245374-33 Client ID: FIELD BLANK_SOIL_8.23.22						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08,10,12,14-15,17,20 QC Batch ID: WG1679436-8 QC Sample: L2245374-10 Client ID: SB-06 (7-9')						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 22 QC Batch ID: WG1679437-6 QC Sample: L2245374-22 Client ID: WC-07					
Chromium, Hexavalent	0.444J	0.444J	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 37-41,43-45 QC Batch ID: WG1679499-1 QC Sample: L2245927-02 Client ID: DUP Sample					
Solids, Total	96.1	90.8	%	6	20
General Chemistry - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1679648-3 QC Sample: L2245533-01 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1679668-3 QC Sample: L2245533-01 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 42,46-48 QC Batch ID: WG1679757-1 QC Sample: L2243357-14 Client ID: DUP Sample					
Solids, Total	91.8	91.2	%	1	20
General Chemistry - Westborough Lab Associated sample(s): 36 QC Batch ID: WG1680253-2 QC Sample: L2245596-01 Client ID: DUP Sample					
pH	5.3	5.3	SU	0	5
General Chemistry - Westborough Lab Associated sample(s): 24,26,28,30,32,36 QC Batch ID: WG1680490-6 QC Sample: L2245374-24 Client ID: SB-01 (1-3')					
Chromium, Hexavalent	0.176J	ND	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 38,40,42,44,46,48 QC Batch ID: WG1680753-8 QC Sample: L2246011-08 Client ID: DUP Sample					
Chromium, Hexavalent	0.287J	0.340J	mg/kg	NC	20

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
A1	Absent
A3	Absent
B	Absent
B1	Absent
C	Absent
D	Absent
E	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-01A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-01B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-01C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-01D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-02A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	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),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CD-TI(180),CA-TI(180),NA-TI(180)
L2245374-02B	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-02C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-03A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-03B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-03C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-03D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-04A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-04B	Metals Only-Glass 60mL/2oz unpreserved	C	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),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-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),CA-TI(180),CD-TI(180)
L2245374-04C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-04D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-04E	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-05A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-05B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-05C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-05D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-06A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-06B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),K-TI(180),CA-TI(180),NA-TI(180),CD-TI(180)
L2245374-06C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-06D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-06E	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-07A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-07B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-07C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-07D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-08A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),PB-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),MG-TI(180),HG-T(28),CA-TI(180),NA-TI(180),K-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-08B	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2245374-08C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2245374-09A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-09A1	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-09A2	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-09B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09B1	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09B2	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09C1	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09C2	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-09D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-09D1	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-09D2	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-10A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-10A1	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-10A2	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-10B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	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),PB-TI(180),SE-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),NA-TI(180),CA-TI(180),CD-TI(180)
L2245374-10B1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),TL-TI(180),NI-TI(180),SB-TI(180),PB-TI(180),SE-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),NA-TI(180),CA-TI(180),CD-TI(180)
L2245374-10B2	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	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),PB-TI(180),SE-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),NA-TI(180),CA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-10C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-10C1	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-10C2	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-10D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-10D1	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-10D2	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-10E	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-10E1	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-10E2	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-11A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-11B	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-11C	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-11D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-12A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-12B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),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)
L2245374-12C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-12D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-12E	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-13A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-13B	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-13C	Vial water preserved	C	NA		2.9	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-13D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-14A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),ZN-TI(180),PB-TI(180),SE-TI(180),CU-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),MN-TI(180),HG-T(28),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2245374-14B	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2245374-14C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2245374-15A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-15B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),SE-TI(180),SB-TI(180),ZN-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),K-TI(180),NA-TI(180)
L2245374-15C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-15D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-15E	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-16A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-16B	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-16C	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14)
L2245374-16D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-17A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14),NYTCL-8260H(14)
L2245374-17B	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2245374-17C	Vial water preserved	B	NA		3.2	Y	Absent	23-AUG-22 03:59	NYTCL-8260HLW(14),NYTCL-8260H(14)
L2245374-17D	Plastic 120ml unpreserved	B	NA		3.2	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(*)
L2245374-17E	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),HG-T(28),MN-TI(180),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2245374-17F	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-17G	Plastic 8oz unpreserved	B	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-17H	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-17J	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-18A	Vial HCl preserved	C	NA		2.9	Y	Absent		NYTCL-8260(14)
L2245374-18B	Vial HCl preserved	C	NA		2.9	Y	Absent		NYTCL-8260(14)
L2245374-19A	Vial Large Septa unpreserved (4oz)	C	NA		2.9	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2245374-19B	Vial Large Septa unpreserved (4oz)	C	NA		2.9	Y	Absent		TS(7)
L2245374-19X	Vial MeOH preserved split	C	NA		2.9	Y	Absent		TPH-GRO(14)
L2245374-19Y	Vial unpreserved Extracts	C	NA		2.9	Y	Absent		TCLP-VOA(14)
L2245374-19Z	Vial unpreserved Extracts	C	NA		2.9	Y	Absent		TCLP-VOA(14)
L2245374-20A	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	Y	Absent		HG-T(28)
L2245374-20B	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-20C	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),IGNIT-1030(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-20X	Plastic 120ml HNO3 preserved Extracts	C	NA		2.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2245374-20X9	Tumble Vessel	C	NA		2.9	Y	Absent		-
L2245374-21A	Vial Large Septa unpreserved (4oz)	B	NA		3.2	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2245374-21B	Vial Large Septa unpreserved (4oz)	B	NA		3.2	Y	Absent		TS(7)
L2245374-21X	Vial MeOH preserved split	B	NA		3.2	Y	Absent		TPH-GRO(14)
L2245374-21Y	Vial unpreserved Extracts	B	NA		3.2	Y	Absent		TCLP-VOA(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-21Z	Vial unpreserved Extracts	B	NA		3.2	Y	Absent		TCLP-VOA(14)
L2245374-22A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		HG-T(28)
L2245374-22B	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-22C	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		NJEPH-TPH-CAT2(14),IGNIT-1030(14),REACTS(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-22X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2245374-22X9	Tumble Vessel	B	NA		3.2	Y	Absent		-
L2245374-23A	Vial MeOH preserved	A1	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-23B	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-23C	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-23D	Plastic 120ml unpreserved	A1	NA		4.9	Y	Absent		TS(7)
L2245374-24A	Plastic 2oz unpreserved for TS	B1	NA		3.0	Y	Absent		TS(7)
L2245374-24B	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),FE-TI(180),MG-TI(180),MN-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2245374-24C	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-24D	Plastic 8oz unpreserved	B1	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-24E	Glass 500ml/16oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-25A	Vial MeOH preserved	A1	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-25B	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-25C	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-25D	Plastic 120ml unpreserved	A1	NA		4.9	Y	Absent		TS(7)
L2245374-26A	Plastic 2oz unpreserved for TS	B1	NA		3.0	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-26B	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	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),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CU-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)
L2245374-26C	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-26D	Plastic 8oz unpreserved	B1	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-26E	Glass 500ml/16oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-27A	Vial MeOH preserved	A1	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-27B	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-27C	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-27D	Plastic 120ml unpreserved	A1	NA		4.9	Y	Absent		TS(7)
L2245374-28A	Plastic 2oz unpreserved for TS	B1	NA		3.0	Y	Absent		TS(7)
L2245374-28B	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	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),SE-TI(180),ZN-TI(180),SB-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),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2245374-28C	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-28D	Plastic 8oz unpreserved	B1	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-28E	Glass 500ml/16oz unpreserved	A1	NA		4.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-29A	Vial MeOH preserved	A1	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-29B	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-29C	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-29D	Plastic 120ml unpreserved	A1	NA		4.9	Y	Absent		TS(7)
L2245374-30A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),NI-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-30B	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-30C	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-31A	Vial MeOH preserved	A1	NA		4.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-31B	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-31C	Vial water preserved	A1	NA		4.9	Y	Absent	24-AUG-22 03:54	NYTCL-8260HLW(14)
L2245374-31D	Plastic 120ml unpreserved	A1	NA		4.9	Y	Absent		TS(7)
L2245374-32A	Plastic 2oz unpreserved for TS	B1	NA		3.0	Y	Absent		TS(7)
L2245374-32B	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	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),PB-TI(180),ZN-TI(180),SB-TI(180),SE-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2245374-32C	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-32D	Plastic 8oz unpreserved	B1	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-32E	Glass 500ml/16oz unpreserved	A1	NA		4.9	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-33A	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-33B	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-33C	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-33D	Plastic 250ml unpreserved	B1	NA		3.0	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-33E	Plastic 250ml HNO3 preserved	A1	<2	<2	4.9	Y	Absent		SE-6020T(180),FE-6020T(180),TL-6020T(180),BA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),CA-6020T(180),CU-6020T(180),NA-6020T(180),ZN-6020T(180),PB-6020T(180),BE-6020T(180),MN-6020T(180),V-6020T(180),AS-6020T(180),SB-6020T(180),AG-6020T(180),AL-6020T(180),MG-6020T(180),HG-T(28),CD-6020T(180),CO-6020T(180)
L2245374-33F	Plastic 250ml NaOH preserved	A1	>12	>12	4.9	Y	Absent		TCN-9010(14)
L2245374-33G	Amber 120ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8082-LVI(365)
L2245374-33H	Amber 120ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8082-LVI(365)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-33I	Amber 120ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8081(7)
L2245374-33J	Amber 120ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8081(7)
L2245374-33K	Amber 250ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2245374-33L	Amber 250ml unpreserved	A1	7	7	4.9	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2245374-33M	Amber 250ml unpreserved	A1	7	7	4.9	Y	Absent		HEXCR-7196(1)
L2245374-33N	Amber 250ml unpreserved	A1	7	7	4.9	Y	Absent		A2-1,4-DIOXANE-SIM(7)
L2245374-33O	Amber 1000ml unpreserved	A1	7	7	4.9	Y	Absent		HERB-APA(7)
L2245374-33P	Amber 1000ml unpreserved	A1	7	7	4.9	Y	Absent		HERB-APA(7)
L2245374-34A	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-34B	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-34C	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-34D	Vial HCl preserved	A1	NA		4.9	Y	Absent		NYTCL-8260(14)
L2245374-35A	Vial Large Septa unpreserved (4oz)	A1	NA		4.9	Y	Absent		TS(7)
L2245374-35B	Vial Large Septa unpreserved (4oz)	A1	NA		4.9	Y	Absent		TCLP-EXT-ZHE(14)
L2245374-35X	Vial MeOH preserved split	A1	NA		4.9	Y	Absent		TPH-GRO(14)
L2245374-35Y	Vial unpreserved Extracts	A1	NA		4.9	Y	Absent		TCLP-VOA(14)
L2245374-35Z	Vial unpreserved Extracts	A1	NA		4.9	Y	Absent		TCLP-VOA(14)
L2245374-36A	Metals Only-Glass 60mL/2oz unpreserved	A1	NA		4.9	Y	Absent		HG-T(28)
L2245374-36B	Glass 120ml/4oz unpreserved	A1	NA		4.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),TCN-9010(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-36C	Glass 500ml/16oz unpreserved	A1	NA		4.9	Y	Absent		NJEPH-TPH-CAT2(14),REACTS(14),TCN-9010(14),IGNIT-1030(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2245374-36X	Plastic 120ml HNO3 preserved Extracts	A1	NA		4.9	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2245374-36X9	Tumble Vessel	A1	NA		4.9	Y	Absent		-
L2245374-37A	Vial MeOH preserved	C	NA		2.9	Y	Absent		NYTCL-8260HLW(14)
L2245374-37B	Vial water preserved	C	NA		2.9	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-37C	Vial water preserved	C	NA		2.9	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-37D	Plastic 120ml unpreserved	C	NA		2.9	Y	Absent		TS(7)
L2245374-38A	Plastic 2oz unpreserved for TS	C	NA		2.9	Y	Absent		TS(7)
L2245374-38B	Metals Only-Glass 60mL/2oz unpreserved	C	NA		2.9	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),ZN-TI(180),PB-TI(180),CU-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),CD-TI(180),CA-TI(180)
L2245374-38C	Glass 120ml/4oz unpreserved	C	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-38D	Plastic 8oz unpreserved	C	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-38E	Glass 500ml/16oz unpreserved	C	NA		2.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-39A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-39B	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-39C	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-39D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-40A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-40B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),SE-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),MG-TI(180),FE-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2245374-40C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-40D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-40E	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-41A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-41B	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-41C	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-41D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-42A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),SB-TI(180),SE-TI(180),ZN-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),CA-TI(180),NA-TI(180)
L2245374-42B	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-42C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),TS(7),HEXCR-7196(30)
L2245374-43A	Vial MeOH preserved	D	NA		3.8	Y	Absent		NYTCL-8260HLW(14)
L2245374-43B	Vial water preserved	D	NA		3.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-43C	Vial water preserved	D	NA		3.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-43D	Plastic 120ml unpreserved	D	NA		3.8	Y	Absent		TS(7)
L2245374-44A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-44B	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),ZN-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L2245374-44C	Glass 120ml/4oz unpreserved	D	NA		3.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-44D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-44E	Glass 500ml/16oz unpreserved	D	NA		3.8	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-45A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-45B	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-45C	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-45D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-46A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-46B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),PB-TI(180),CU-TI(180),SE-TI(180),SB-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2245374-46C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-46D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-46E	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-47A	Vial MeOH preserved	B	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2245374-47B	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-47C	Vial water preserved	B	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2245374-47D	Plastic 120ml unpreserved	B	NA		3.2	Y	Absent		TS(7)
L2245374-48A	Plastic 2oz unpreserved for TS	A	NA		2.4	Y	Absent		TS(7)
L2245374-48B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.2	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),SB-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-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),CD-TI(180),K-TI(180)
L2245374-48C	Glass 120ml/4oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2245374-48D	Plastic 8oz unpreserved	A	NA		2.4	Y	Absent		A2-NY-537-ISOTOPE(14)
L2245374-48E	Glass 500ml/16oz unpreserved	B	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2245374
Report Date: 09/19/22

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	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	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
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	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:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Footnotes

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

Terms

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

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

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

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

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

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

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

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

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

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

Data Qualifiers

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

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Data Qualifiers

Identified Compounds (TICs).

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E 150ST STREET RI	**Lab Number:**	L2245374
Project Number:	41.0162951.10	**Report Date:**	09/19/22

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page 1 of 4

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2245374

Client Information
Client: GZA GeoEnvironmental
Address: 101 W 29th St NY, NY 10001
Phone: 917 594 8140
Fax:
Email: Randall.Marquez@GZA

Project Information
Project Name: 101 E 150th St RI
Project Location:
Project #: 01.0162951.10
(Use Project name as Project #)
Project Manager: Randall Marquez
ALPHAQuote #: 19506

Turn-Around Time
Standard
Rush (only if pre approved)
Due Date:
# of Days: 1 week

These samples have been previously analyzed by Alpha

Other project specific requirements/comments:
New SDG; keep open * Metals are analyzed for Total Cyanide and Hex Chrom

Please specify Metals or TAL.

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

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

Billing Information
- Same as Client Info

PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.

Disposal Facility:
- NJ
- NY
- Other:

Sample Filtration
- Done
- Lab to do

Preservation
- Lab to do

(Please Specify below)

Sample Specific Comments

ANALYSIS

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 1,4-D + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471*	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane 8270	Total # Bottles
45374-01	SB-04 (7')	8/18/22	8:50	S	AB	X								4
-02	SB-04 (4-7')		8:55				X	X						2
-03	SB-04 (9')		8:55			X								5
-04	SB-04 (8-10')		8:55				X	X	X	X	X	X	X	15
-05	SB-06 (1.5')		11:00			X								1
-06	SB-06 (6.5-7.5')		11:00				X	X	X	X	X	X	X	15
-07	SB-06 (6')		11:05			X								1
-08	SB-06 (3-7')		11:05				X	X						3
-09	SB-06 (8')		11:10			X								1
-10	SB-06 (7-9')		11:10				X	X	X	X	X	X	X	15
	Container Type					V	A	A	A	A	A	P	A	
	Preservative					O	A	A	A	A	A	A	A	

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/22/22 15:55		8/22/22 1555
	8/22/22 17:07		8/22/22 1715
	8/22/22		
			8/23/22 0900

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 4

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2245374

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 29th St NY NY 10001
Phone: 917 594 5140
Fax:
Email: Reinbill.Muiguet@gza.com

Project Information
Project Name: 101 E 15th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #): ☐
Project Manager: Reinbill Muiguet
ALPHAQuote #: 19508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Metals should analyzed for total Cyanide & Hexchrom

Please specify Metals or TAL.

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

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

Billing Information
☐ Same as Client Info
PO #

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

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs +TICs 8260	TCL SVOCs +TICs 8270	TAL Metals* Total 6010/7471	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	1,4-D/1,4-Dioxane 8270 SIM	537.1 PFAS	Sample Specific Comments	Total Bottle
45374-09	MS-SB-06 (5')	8/21/22	11:17	Soil		X									5
-10	MS-SB-06 (7-9')		11:17				X	X	X	X	X	X	X		5
-09	MSD-SB-06 (5')		11:14			X									5
-10	MSD-SB-06 (7-9')		11:14				X	X	X	X	X	X	X		5
-11	SB-03 (1')		13:15			X									5
-12	SB-03 (1-3')		13:15				X	X	X	X	X	X	X		5
-13	SB-03 (6')		13:20			X									5
-14	SB-03 (4-7')		13:20				X	X							3
-15	SB-03 (7-9')		13:25				X	X	X	X	X	X	X		5
-16	SB-03 (8')	↓	13:25	↓	↓	X									3
	Container Type					V	A	A	A	A	A	A	A		
	Preservative					C	A	A	A	A	A	A	A		

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

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

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

Relinquished By:	Date/Time	Received By:	Date/Time
	8/22/22 15:55		8/22/22 1555
	8/22/22 17:07		8/22/22 1715
	8/22/22		8/23/22 0800

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 3 of 4

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2245374

Client Information
Client: GZA GeoEnvironmental
Address: 44 W 74th St NY, NY 10023
Phone: 212 594 8140
Fax:
Email: Reinbill.Manfredo@GZA.com

Project Information
Project Name: 101 E 15th
Project Location:
Project #: 11.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Manfredo
ALPHAQuote #: 14508

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
* Metals analyzed for total Cyanide & Hex. Chrom

Please specify Metals or TAL.

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

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

Billing Information
☐ Same as Client Info
PO #

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

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + HVs 8260	TCL SVOCs + HVs 8270	Cyanide, Total, Hexavalent Chromium	TAL Pest	TAL Herb	TAL PCBs	RCRA 8 Metals	1,4-Dioxane	Sample Specific Comments	Total Bottles
45374-17	DUP-SOIL-8.22.22	8/22/22		Soil	JB	X	X	X	X	X	X	X	X		9
-18	Trip Blank	8/22/22		Water	JB	X									1

ANALYSIS

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	A	P	A
Preservative	C	A	A	A	A	A	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/22/22 15:55	Courier	8/22/22 15:55
Courier	8/22/22 17:07	Agnieszka Gorecka	8/22/22 17:15
Agnieszka Gorecka	8/22/22 2000		

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

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 4 of 4

Date Rec'd in Lab: 8/22/22

ALPHA Job #: L2245374

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Robin.Manglaviti@gza.com

Project Information

Project Name: 161 E 15th St RT
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Robin Manglaviti
ALPHAQuote #: 194508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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	TCLP VOCs	TPH GRO Soils	Cyanide	Mercury 7196	Hexavalent Chromium 7196 & Trivalent Chromium 9056	NY EPH	Corrosivity, Ignitability, TCLP Reactivity, Cyanide Reactivity, Sulfide Reactivity	TCLP Metals - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver	ECP Metals - Arsenic, Barium, Cadmium, Chromium, Lead, Mercury, Selenium, Silver	Sample Specific Comments	Total Bottle
45374 -19	WC-C3 (1')	8/17/22	9:05	SW	JB	X	X									32
-20	WC-C3		9:05					X	X	X	X	X	X	X		3
-21	WC-C7 (2')		13:20			X	X									32
-22	WC-C7	↓	11:20	↓	↓			X	X	X	X	X	X	X		

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

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										
Preservative	A										

Relinquished By:	Date/Time	Received By:	Date/Time
	8/22/22 15:55	Cathy Collins	8/22/22 1555
Cathy Collins	8/22/22 17:07	Agnagnarelli GZA	8/22/22 1715
Agnagnarelli GZA	8/22/22		

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NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
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Mansfield, MA 02048
320 Forbes Blvd
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FAX: 508-822-3288

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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 3

Date Rec'd in Lab: 8/23/22

ALPHA Job #: L2245374

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manyuez@gza.com

Project Information

Project Name: 101 E 150th St PI
Project Location:
Project #: 41.0162751.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Manyuez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG from, keep * TAL Metals analyzed for 8/22/22 (L2245374) @ * Total Cyanide & Hex Chromium

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + 1,4-Dioxane 8260	TCL SVOCs + 1,4-Dioxane 8270	TAL Metals Cr(VI)/Total*	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottles
45374-23	SB-01 (21')	8/23/22	9:55	Soil	JB	X									1
24	SB-01 (1-3')		9:55				X	X	X	X	X	X	X		1
25	SB-01 (20')		10:45			X									1
26	SB-01 (18-20')		10:45				X	X	X	X	X	X	X		1
27	SB-07 (1')		13:35			X									1
28	SB-07 (1-3')		13:35				X	X	X	X	X	X	X		1
29	SB-07 (5')		13:40			X									1
30	SB-07 (4-7')		13:40				X	X							1
31	SB-07 (9')		13:45			X									1
32	SB-07 (7-9')		13:45				X	X	X	X	X	X	X		1

Container Type: V A A A A A P A
Preservative: C H H H A H H 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
	8/23/22 15:20		8/23/22 15:20
	8/23/22 16:50		8/23/22 16:20
	8/23/22		

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

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NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

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

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

Page 2 of 3

Date Rec'd in Lab: 8/23/22

ALPHA Job #: L2245374

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St NY NY 10001
Phone: 212 594 8140
Fax:
Email: Rainbill.Marquez@GZA

Project Information

Project Name: 101 E 15th ST RT
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Rainbill Marquez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG ; keep open. Metals to be analyzed for total Cyanide & Hex Chrom only (L2249374)

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010 7471	TAL Pest	TAL Herb	TAL PCBs	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottles
45374-33	Field Blank - 101-8.23.22	8/23/22	14:30	water		X	X	X	X	X	V	X	V		13
34	Trip Blank - 8.23.22	↓	—	water	—	X									2

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

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

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

Container Type	V	A	A	A	A	A	P	A
Preservative	O/B	A						

Relinquished By:	Date/Time	Received By:	Date/Time
	14:20 8/23/22		
	8/23/22 16:40		8/23/22 16:40
	8/23/22		
			8/23/22 2330

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

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8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

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

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

Page: 3 of 3

Date Rec'd in Lab: 8/23/22

ALPHA Job #: L2245374

Project Information
Project Name: 121 Fischer St RT
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinhill Mashpee
ALPHAQuote #: 19458

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

Client Information
Client: GZA GeoEnvironmental
Address: 104 Nagog Park Acton MA 01720
Phone: 978 844 6410
Fax:
Email: Reinhill.Mashpee@gza.com

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	TCLP VOCs	8260 TCL	8260 Oxygenates	Acetone, Methanol, Hexanone	8260 Target List	NJ 8270 TCL	8270 Target List	Hexavalent Chromium	TCLP Metals (Sb, As, Ba, Be, Cd, Cr, Pb, Ni, Se, Ag, Hg)	Total Bottle
45374-35	WC-15 (6')	8/23/22	14:30	SW	JB	X	X								3
36	WC-16	↓	14:00	↓	↓			X	X	X	X	X	X		3

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

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

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

Container Type	A										
Preservative	A										

Relinquished By:	Date/Time	Received By:	Date/Time
	15:20 8/23/22		8/23/22 16:30
	8/23/22 16:50		8/23/22 16:30
	8/23/22		8/23/22 2000

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 1 of 2

Date Rec'd in Lab: 08/24/22

ALPHA Job #: L2245374

Client Information
Client: GZA GeoEnvironmental
Address: 104 W 27th St NY, NY 10001
Phone: 212 544 8140
Fax:
Email: Reinbill.Montalvez@GZA.com

Project Information
Project Name: 101 E 150th St RI
Project Location:
Project #: 11.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Montalvez
ALPHAQuote #: 19566

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:
~~RUSH~~ add to SDG L2245374 * needs to be analyzed for total cyanide & Hex Chrom
Close SDG.

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	TCL VOCs + 1,4-D 8260	TCL SVOCs + TICs 8270	TAL Metals 6010 * 7471	TAL Pest 8081	TAL Herbs 8151	TAL PCBs 8082	PFAs 537.1	1,4-Dioxane	Sample Specific Comments	Total # Bottles
L2245374-37	SB-02 (1')	8/24/22	9:35	Soil	JB	X									4
-38	SB-02 (1-3')		9:35				X	X	X	X	X	X	X		5
-39	SB-9(10')		10:15			X									4
-40	SB-02 (8-10')		10:15				X	X	X	X	X	X	X		5
-41	SB-22 (1')		13:30			X									4
-42	SB-22 (1-3')		13:30				X	X							3
-43	SB-22 (5')		13:35			X									4
-44	SB-22 (4-7')		13:35				X	X	X	X	X	X	X		5
-45	SB-22 (6')		13:40			X									4
-46	SB-22 (7-9')		13:40				X	X	X	X	X	X	X		5

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
Preservative	C	A					

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/22 15:45	MSMx (mw)	8/24/22 17:05
MSMx (mw)	8/24/22 1835	JCAAC	8/24 1937
JCAAC	8/24 2124		8/24/22 2120
	8/24/22 2330		8/24/22 2330

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

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Service Centers
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Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page: 2 of 2

Date Rec'd in Lab: 08/24/22

ALPHA Job #: L2245374

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY NY 10001
Phone: 212 594 8140
Fax:
Email: Robin.Marquez@gza.com

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Robin Hill Marquez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

Add to SDG; close SDG. * Metals to be analyzed for total Cyanide & Hex Chrom

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010 (Cyanide, Hex Chrom) *	TAL Pest 8081	TAL Herb 8151	TAL PCB Screening	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottles
45374-47	SB-24 (1')	8/24/22	14:00	Soil	JB	X									5
-48	SB-24 (1-3')	↓	↓	↓	↓		X	X	X	X	X	X	X		5

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	A	P	A
Preservative	C	A						

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/22 15:15	MSM	8/24/22 17:15
MSM	8/24/22 1521	JA AAE	8/24/22 1730
JA AAE	8/24/22 2120		8/24/22 2120
	8/24/22 2330		8/24/22 2330

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:	L2246011
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	101 E 150TH ST STREET RI
Project Number:	41.0162951.10
Report Date:	09/19/22

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

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

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2246011-01	SB-24 (7')	SOIL	Not Specified	08/24/22 14:05	08/24/22
L2246011-02	SB-24 (4-7')	SOIL	Not Specified	08/24/22 14:05	08/24/22
L2246011-03	SB-24 (9')	SOIL	Not Specified	08/24/22 14:10	08/24/22
L2246011-04	SB-24 (8-10')	SOIL	Not Specified	08/24/22 14:10	08/24/22
L2246011-05	SB-28 (1')	SOIL	Not Specified	08/24/22 14:30	08/24/22
L2246011-06	SB-28 (1-3')	SOIL	Not Specified	08/24/22 14:30	08/24/22
L2246011-07	SB-28 (9')	SOIL	Not Specified	08/24/22 14:35	08/24/22
L2246011-08	SB-28 (8-10')	SOIL	Not Specified	08/24/22 14:35	08/24/22
L2246011-09	SB-26 (1')	SOIL	Not Specified	08/24/22 15:10	08/24/22
L2246011-10	SB-26 (1-3')	SOIL	Not Specified	08/24/22 15:10	08/24/22
L2246011-11	SB-26 (6')	SOIL	Not Specified	08/24/22 15:15	08/24/22
L2246011-12	SB-26 (4-7')	SOIL	Not Specified	08/24/22 15:15	08/24/22
L2246011-13	SB-26 (9')	SOIL	Not Specified	08/24/22 15:20	08/24/22
L2246011-14	SB-26 (8-10')	SOIL	Not Specified	08/24/22 15:20	08/24/22
L2246011-15	DUP-SOIL-8.24.22	SOIL	Not Specified	08/24/22 00:00	08/24/22
L2246011-16	TRIP BLANK	WATER	Not Specified	08/24/22 00:00	08/24/22
L2246011-17	WC-09 (1')	SOIL	Not Specified	08/24/22 14:15	08/24/22
L2246011-18	WC-09	SOIL	Not Specified	08/24/22 14:15	08/24/22
L2246011-19	WC-11 (6')	SOIL	Not Specified	08/24/22 14:50	08/24/22
L2246011-20	WC-11	SOIL	Not Specified	08/24/22 14:50	08/24/22
L2246011-21	WC-13 (1')	SOIL	Not Specified	08/24/22 15:25	08/24/22
L2246011-22	WC-13	SOIL	Not Specified	08/24/22 15:25	08/24/22
L2246011-23	SB-25 (2')	SOIL	Not Specified	08/25/22 08:45	08/25/22
L2246011-24	SB-25 (1-3')	SOIL	Not Specified	08/25/22 08:45	08/25/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2246011-25	SB-25 (5')	SOIL	Not Specified	08/25/22 08:50	08/25/22
L2246011-26	SB-25 (4-7')	SOIL	Not Specified	08/25/22 08:50	08/25/22
L2246011-27	SB-25 (9')	SOIL	Not Specified	08/25/22 08:55	08/25/22
L2246011-28	SB-25 (7-9')	SOIL	Not Specified	08/25/22 08:55	08/25/22
L2246011-29	SB-17 (2')	SOIL	Not Specified	08/25/22 10:20	08/25/22
L2246011-30	SB-17 (1-3')	SOIL	Not Specified	08/25/22 10:20	08/25/22
L2246011-31	SB-17 (5')	SOIL	Not Specified	08/25/22 10:25	08/25/22
L2246011-32	SB-17 (4-5')	SOIL	Not Specified	08/25/22 10:25	08/25/22
L2246011-33	SB-17 (7')	SOIL	Not Specified	08/25/22 10:30	08/25/22
L2246011-34	SB-17 (7-9')	SOIL	Not Specified	08/25/22 10:30	08/25/22
L2246011-35	SB-19 (3')	SOIL	Not Specified	08/25/22 11:05	08/25/22
L2246011-36	SB-19 (1-3')	SOIL	Not Specified	08/25/22 11:05	08/25/22
L2246011-37	SB-19 (4')	SOIL	Not Specified	08/25/22 11:10	08/25/22
L2246011-38	SB-19 (4-7')	SOIL	Not Specified	08/25/22 11:10	08/25/22
L2246011-39	SB-19 (7')	SOIL	Not Specified	08/25/22 11:15	08/25/22
L2246011-40	SB-19 (7-9')	SOIL	Not Specified	08/25/22 11:15	08/25/22
L2246011-41	SB-29 (2')	SOIL	Not Specified	08/25/22 11:55	08/25/22
L2246011-42	SB-29 (1-3')	SOIL	Not Specified	08/25/22 11:55	08/25/22
L2246011-43	SB-29 (4')	SOIL	Not Specified	08/25/22 12:00	08/25/22
L2246011-44	SB-29 (4-7')	SOIL	Not Specified	08/25/22 10:25	08/25/22
L2246011-45	SB-29 (8')	SOIL	Not Specified	08/25/22 12:05	08/25/22
L2246011-46	SB-29 (7-9')	SOIL	Not Specified	08/25/22 10:30	08/25/22
L2246011-47	FIELD BLANK	WATER	Not Specified	08/25/22 16:30	08/25/22
L2246011-48	TRIP BLANK	WATER	Not Specified	08/25/22 00:00	08/25/22
L2246011-49	WC-10 (6')	SOIL	Not Specified	08/25/22 09:00	08/25/22
L2246011-50	WC-10	SOIL	Not Specified	08/25/22 09:00	08/25/22

Project Name:	101 E 150TH ST STREET RI	**Lab Number:**	L2246011
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative

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

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

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

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

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

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

Project Name:	101 E 150TH ST STREET RI	**Lab Number:**	L2246011
Project Number:	41.0162951.10	**Report Date:**	09/19/22

Case Narrative (continued)

Report Submission

September 19, 2022: This final report includes the results of all requested analyses.

September 06, 2022: This is a preliminary report.

August 31, 2022: This is a preliminary report.

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

Sample Receipt

L2246011-31: The sample identified as "SB-17 (4')" on the chain of custody was identified as "SB-17 (5')" on the container label. At the client's request, the sample is reported as "SB-17 (5')".

L2246011-43: The collection date and time on the chain of custody was 25-AUG-22 10:25; however, the collection date/time on the container label was 25-AUG-22 12:00. At the client's request, the collection date/time is reported as 25-AUG-22 12:00.

L2246011-45: The sample identified as "SB-29 (7')" with a collection time of 10:30 on the chain of custody was identified as "SB-29 (8')" with a collection time of 12:05 on the container label. At the client's request, the sample is reported as "SB-29 (8')" with a collection time of 12:05.

Volatile Organics

L2246011-29: 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 WG1681664-5 Method Blank, associated with L2246011-37, 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.

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Case Narrative (continued)

Semivolatile Organics

L2246011-24D and -42D: The sample has elevated detection limits due to the dilution required by the sample matrix.

The WG1681170-1 Method Blank, associated with L2246011-02, -04, -06, -14, and -15, has TICs detected. The results are qualified with a "B" for any associated samples that have detections of the same TICs.

The WG1681672-1 Method Blank, associated with L2246011-47, has TIC(s) detected. The results are qualified with a "B" for any associated samples that have detections of the same TIC(s).

The WG1681170-2/-3 LCS/LCSD recoveries, associated with L2246011-02, -04, -06, -14, and -15, 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.

The WG1682214-2/-3 LCS/LCSD recoveries, associated with L2246011-24D, -28, -30, -32, -34, -36, -36D, -38, -40, -42D, -44, and -46, 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.

The WG1682246-2/-3 LCS/LCSD recoveries, associated with L2246011-26, are below the acceptance criteria for benzoic acid (3%/0%); however, it has been identified as a "difficult" analyte. The results of the associated sample are reported.

Perfluorinated Alkyl Acids by Isotope Dilution

L2246011-04, -04RE, -06, -08, -14, -15, -34, -36, -40, -46, WG1680090-1, WG1680297-1, WG1680740-1, WG1683617-1, WG1680090-2, WG1680297-2, WG1680740-2, WG1683617-2, and WG1680090-3/-4: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2246011-04: The Extracted Internal Standard recoveries were less than 10% for n-deuteriomethylperfluoro-1-octanesulfonamidoacetic acid (d3-nmefosaa) (7%) and n-deuterioethylperfluoro-1-octanesulfonamidoacetic acid (d5-netfosaa) (8%); however, the extraction efficiency was improved upon re-extraction at a lower volume. The results of the re-extraction are reported for the associated target compounds.

L2246011-04, -06, -08, -14, -15, -28, -40, and -46: The MeOH fraction of the extraction is reported for

Case Narrative (continued)

perfluorooctanesulfonamide (fosa) due to better extraction efficiency of the perfluoro[13c8]octanesulfonamide (m8fosa) Extracted Internal Standard.

The Extracted Internal Standard recovery for the WG1680090-1 Method Blank, associated with L2246011-04, -06, -08, -10, and -14, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.

The Extracted Internal Standard recovery for the WG1680297-1 Method Blank, associated with L2246011-15, -24, -28, -30, -34, -36, -40, -42, and -46, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated samples are non-detect to the RL for all associated target analytes; therefore, no further action was taken.

The Extracted Internal Standard recovery for the WG1683617-1 Method Blank, associated with L2246011-04RE, is below the acceptance criteria for perfluoro[13c8]octanesulfonamide (m8fosa) (less than 10%); however, the associated sample is non-detect to the RL for all associated target analytes; therefore, no further action was taken.

The Extracted Internal Standard recovery for the WG1680090-2 LCS, associated with L2246011-04, -06, -08, -10, and -14, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (5%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

The WG1680297-2 LCS recovery, associated with L2246011-15, -24, -28, -30, -34, -36, -40, -42, and -46, is above the acceptance criteria for perfluorodecanesulfonic acid (pfds) (141%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

The Extracted Internal Standard recovery for the WG1680297-2 LCS, associated with L2246011-15, -24, -28, -30, -34, -36, -40, -42, and -46, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (1%); however, all associated target analytes are within overall LCS criteria; therefore, no further action was taken.

The Extracted Internal Standard recovery for the WG1683617-2 LCS, associated with L2246011-04RE, is below the acceptance criteria (less than 10%) for perfluoro[13c8]octanesulfonamide (m8fosa) (2%); however,

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all associated target analytes are within overall LCS criteria; therefore, no further action was taken.
The WG1680090-3/-4 MS/MSD recoveries, performed on L2246011-08, are outside the acceptance criteria for perfluorotetradecanoic acid (pfta) (138%/168%).

Pesticides
L2246011-36: The internal standard (IS) response for 1-bromo-2-nitrobenzene (1044%) was above the acceptance criteria on column A; however, the sample was not re-analyzed due to obvious interferences. The surrogate recoveries are outside the method acceptance criteria for 2,4,5,6-tetrachloro-m-xylene (20%) and decachlorobiphenyl (7%) due to interference with the Internal Standard.
L2246011-36: The surrogate recovery is outside the acceptance criteria for decachlorobiphenyl (341%); however, the sample was not re-extracted due to coelution with obvious interferences.
L2246011-42D: The sample has elevated detection limits due to the dilution required by the sample matrix.
The WG1681851-2 LCS recoveries, associated with L2246011-47, were outside the individual acceptance criteria for delta-bhc (12%), lindane (25%), alpha-bhc (24%), beta-bhc (27%), heptachlor (29%), aldrin (26%), heptachlor epoxide (26%), endrin (27%), endrin aldehyde (22%), endrin ketone (26%), dieldrin (28%), 4,4'-dde (26%), 4,4'-ddd (29%), 4,4'-ddt (29%), endosulfan i (30%), endosulfan ii (27%), endosulfan sulfate (24%), and cis-chlordane (27%); however, the criteria were achieved upon re-extraction outside of holding time. The results of both extractions are reported.

Total Metals
L2246011-02, -04, -06, -08, -10, -12, -14, -15, -24, -26, -28, -30, -32, -34, -36, -38, -40, -42, -44, and -46: The samples have elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.
The WG1679804-1 Method Blank, associated with L2246011-02, -04, -06, -08, -10, -12, -14, and -15, has concentrations above the reporting limits for chromium and iron. Since the associated sample concentrations are greater than 10x the blank concentrations for these target analytes, no corrective action is required.
The WG1680282-1 Method Blank, associated with L2246011-24, -26, -28, -30, -32, -34, -36, -38, -40, -

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Case Narrative (continued)

42, -44, and -46, has concentrations above the reporting limits for aluminum and iron Since the associated sample concentrations are greater than 10x the blank concentrations for these target analytes, no corrective action is required.

The WG1679804-3 MS recoveries for aluminum (465%/758%) and iron (759%/1310%), performed on L2246011-08, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1679804-3/-4 MS/MSD recoveries, performed on L2246011-08, are outside the acceptance criteria for antimony (74%/69%). A post digestion spike was performed and was within acceptance criteria.

The WG1679804-4 MSD recovery, performed on L2246011-08, is outside the acceptance criteria for magnesium (130%). A post digestion spike was performed and yielded an unacceptable recovery of 176%. The serial dilution recovery was acceptable; therefore, the matrix test passed for the sample matrix.

The WG1679804-4 MSD recovery, performed on L2246011-08, is outside the acceptance criteria for manganese (136%). A post digestion spike was performed and yielded an unacceptable recovery of 160%. The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1680282-3 MS recoveries for aluminum (1710%), iron (623%), magnesium (48%), manganese (37%), and zinc (0%), performed on L2246011-24, do not apply because the sample concentrations are greater than four times the spike amounts added.

The WG1680282-3 MS recoveries, performed on L2246011-24, are outside the acceptance criteria for antimony (68%) and lead (0%). A post digestion spike was performed and was within acceptance criteria.

The WG1680282-3 MS recovery, performed on L2246011-24, is outside the acceptance criteria for calcium (3%). A post digestion spike was performed and yielded an unacceptable recovery of 67%. The serial dilution recovery was not acceptable; therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The WG1680282-4 Laboratory Duplicate RPDs for aluminum (54%), arsenic (73%), barium (63%), beryllium (56%), calcium (74%), chromium (41%), cobalt (43%), copper (73%), iron (63%), lead (76%), magnesium (70%), manganese (82%), nickel (55%), potassium (68%), sodium (24%), vanadium (57%), and zinc (71%),

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performed on L2246011-24, are outside the acceptance criteria. The elevated RPDs have been attributed to the non-homogeneous nature of the native sample.

The WG1679804-6 serial dilution analysis, associated with L2246011-08, had a %D above the acceptance criteria for aluminum (31%), calcium (34%), iron (34%), and manganese (32%).

The WG1680282-6 serial dilution analysis, associated with L2246011-24, had a %D above the acceptance criteria for calcium (23%), chromium (21%), iron (26%), and manganese (22%).

Cyanide, Total

The WG1680625-2 LCS recovery for cyanide, total (67%), associated with L2246011-02 and -04, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

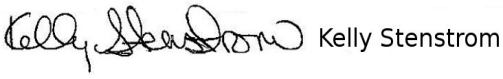
The WG1680627-2/-3 LCS/LCSD recoveries for cyanide, total (66%/79%), associated with L2246011-06, -08, -10, -12, -14, -15, -18, -20, and -22, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1680629-2/-3 LCS/LCSD recoveries for cyanide, total (66%/79%), associated with L2246011-24, -28, -30, and -32, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1680672-2/-3 LCS/LCSD recoveries for cyanide, total (59%/74%), associated with L2246011-26, -34, -36, -38, -40, -42, and -44, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1680689-2/-3 LCS/LCSD recoveries for cyanide, total (59%/74%), associated with L2246011-46 and -50, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature:  Kelly Stenstrom

Title: Technical Director/Representative Date: 09/19/22

ORGANICS

VOLATILES

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-01
Client ID: SB-24 (7')
Sample Location: Not Specified
Date Collected: 08/24/22 14:05
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 17:02
Analyst: PD
Percent Solids: 96%

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	0.19	J	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	0.54	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-01 Date Collected: 08/24/22 14:05

Client ID: SB-24 (7') Date Received: 08/24/22

Sample Location: Not Specified 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	0.56	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	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	5.5	J	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-01 Date Collected: 08/24/22 14:05

Client ID: SB-24 (7') Date Received: 08/24/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-03
Client ID: SB-24 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 17:28
Analyst: PD
Percent Solids: 96%

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	0.26	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	0.69	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-03 Date Collected: 08/24/22 14:10

Client ID: SB-24 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.56	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	ND		ug/kg	1.0	0.17	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	0.91	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	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	0.20	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	0.14	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	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	1.1	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-03 Date Collected: 08/24/22 14:10

Client ID: SB-24 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.33	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	0.38	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	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	108		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-05
Client ID: SB-28 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 17:54
Analyst: PD
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	250	120	1
1,1-Dichloroethane	ND		ug/kg	50	7.3	1
Chloroform	ND		ug/kg	76	7.1	1
Carbon tetrachloride	20	J	ug/kg	50	12.	1
1,2-Dichloropropane	ND		ug/kg	50	6.3	1
Dibromochloromethane	ND		ug/kg	50	7.1	1
1,1,2-Trichloroethane	ND		ug/kg	50	13.	1
Tetrachloroethene	2300		ug/kg	25	9.9	1
Chlorobenzene	ND		ug/kg	25	6.4	1
Trichlorofluoromethane	ND		ug/kg	200	35.	1
1,2-Dichloroethane	ND		ug/kg	50	13.	1
1,1,1-Trichloroethane	160		ug/kg	25	8.4	1
Bromodichloromethane	ND		ug/kg	25	5.5	1
trans-1,3-Dichloropropene	ND		ug/kg	50	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	25	8.0	1
1,3-Dichloropropene, Total	ND		ug/kg	25	8.0	1
1,1-Dichloropropene	ND		ug/kg	25	8.0	1
Bromoform	ND		ug/kg	200	12.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.4	1
Benzene	ND		ug/kg	25	8.4	1
Toluene	ND		ug/kg	50	27.	1
Ethylbenzene	ND		ug/kg	50	7.1	1
Chloromethane	ND		ug/kg	200	47.	1
Bromomethane	ND		ug/kg	100	29.	1
Vinyl chloride	ND		ug/kg	50	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	ND		ug/kg	50	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	76	6.9	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-05 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	190		ug/kg	25	6.9	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.3	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.5	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.6	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	28.	1
o-Xylene	ND		ug/kg	50	15.	1
Xylenes, Total	ND		ug/kg	50	15.	1
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8	1
1,2-Dichloroethene, Total	ND		ug/kg	50	6.9	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	ND		ug/kg	50	9.9	1
Dichlorodifluoromethane	ND		ug/kg	500	46.	1
Acetone	ND		ug/kg	500	240	1
Carbon disulfide	ND		ug/kg	500	230	1
2-Butanone	ND		ug/kg	500	110	1
Vinyl acetate	ND		ug/kg	500	110	1
4-Methyl-2-pentanone	ND		ug/kg	500	64.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.4	1
2-Hexanone	ND		ug/kg	500	60.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	50	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.7	1
Bromobenzene	ND		ug/kg	100	7.3	1
n-Butylbenzene	ND		ug/kg	50	8.4	1
sec-Butylbenzene	ND		ug/kg	50	7.4	1
tert-Butylbenzene	ND		ug/kg	100	6.0	1
o-Chlorotoluene	ND		ug/kg	100	9.6	1
p-Chlorotoluene	ND		ug/kg	100	5.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.	1
Hexachlorobutadiene	ND		ug/kg	200	8.5	1
Isopropylbenzene	ND		ug/kg	50	5.5	1
p-Isopropyltoluene	ND		ug/kg	50	5.5	1
Naphthalene	ND		ug/kg	200	33.	1
Acrylonitrile	ND		ug/kg	200	58.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-05 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	50	8.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.7	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4000	1800	1
p-Diethylbenzene	ND		ug/kg	100	8.9	1
p-Ethyltoluene	ND		ug/kg	100	19.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6	1
Ethyl ether	ND		ug/kg	100	17.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	72.	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	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-07
Client ID: SB-28 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/30/22 19:47
Analyst: JC
Percent Solids: 95%

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	1.2		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	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	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	1.0	0.54	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.33	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-07 Date Collected: 08/24/22 14:35

Client ID: SB-28 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.56	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	ND		ug/kg	1.0	0.17	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	0.91	1
Acetone	56		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.5	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.1	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	0.20	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	0.14	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	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	1.1	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-07 Date Collected: 08/24/22 14:35

Client ID: SB-28 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.33	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	0.38	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	5.0	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	2.07	J	ug/kg			1
Unknown	2.07	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	92		70-130
4-Bromofluorobenzene	91		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-09
Client ID: SB-26 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 18:46
Analyst: PD
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.3	0.92	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.3	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.72	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.3	1.2	1
Bromomethane	ND		ug/kg	2.6	0.77	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-09 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1') Date Received: 08/24/22

Sample Location: Not Specified 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	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.27	1
p/m-Xylene	ND		ug/kg	2.6	0.74	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.18	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.16	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.3	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	0.91	J	ug/kg	5.3	0.86	1
Acrylonitrile	ND		ug/kg	5.3	1.5	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-09 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	110	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-11
Client ID: SB-26 (6')
Sample Location: Not Specified

Date Collected: 08/24/22 15:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 19:12
Analyst: PD
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.5	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.65	0.26	1
Chlorobenzene	ND		ug/kg	0.65	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.65	0.22	1
Bromodichloromethane	ND		ug/kg	0.65	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.65	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.65	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.65	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.65	0.22	1
Benzene	ND		ug/kg	0.65	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-11 Date Collected: 08/24/22 15:15

Client ID: SB-26 (6') Date Received: 08/24/22

Sample Location: Not Specified 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	0.65	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	12	J	ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	5.9	1
2-Butanone	3.0	J	ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.65	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-11 Date Collected: 08/24/22 15:15

Client ID: SB-26 (6') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
1,4-Dioxane	ND		ug/kg	100	46.	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.5	1.8	1
Tentatively Identified Compounds						
Total TIC Compounds	2.62	J	ug/kg			1
Unknown	2.62	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-13
Client ID: SB-26 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 19:38
Analyst: PD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	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	0.18	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	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-13 Date Collected: 08/24/22 15:20

Client ID: SB-26 (9') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	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	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	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	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	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	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-13 Date Collected: 08/24/22 15:20

Client ID: SB-26 (9') Date Received: 08/24/22

Sample Location: Not Specified 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	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	88	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	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	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	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	105		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	96		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/26/22 20:04
Analyst: PD
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified 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	0.56	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	0.62	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	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		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	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	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	2.2	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	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified 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	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
1,4-Dioxane	ND		ug/kg	89	39.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-16
Client ID: TRIP BLANK
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/26/22 09:52
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-16 Date Collected: 08/24/22 00:00

Client ID: TRIP BLANK Date Received: 08/24/22

Sample Location: Not Specified 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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-16 Date Collected: 08/24/22 00:00

Client ID: TRIP BLANK Date Received: 08/24/22

Sample Location: Not Specified 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	110		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-17
Client ID: WC-09 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 12:15
Analyst: LAC
Percent Solids: 90%
TCLP/SPLP Ext. Date: 08/31/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	114		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-19
Client ID: WC-11 (6')
Sample Location: Not Specified

Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 12:37
Analyst: LAC
Percent Solids: 95%
TCLP/SPLP Ext. Date: 08/31/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	117		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-21
Client ID: WC-13 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 13:00
Analyst: LAC
Percent Solids: 88%
TCLP/SPLP Ext. Date: 08/31/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	96		70-130
dibromofluoromethane	118		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-23
Client ID: SB-25 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 18:50
Analyst: LAC
Percent Solids: 86%

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	0.25	J	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	0.14	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-23 Date Collected: 08/25/22 08:45

Client ID: SB-25 (2') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	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	0.17	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	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-23 Date Collected: 08/25/22 08:45

Client ID: SB-25 (2') Date Received: 08/25/22

Sample Location: Not Specified 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

Tentatively Identified Compounds						
Total TIC Compounds	6.93	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.81	NJ	ug/kg			1
Unknown	3.12	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-25
Client ID: SB-25 (5')
Sample Location: Not Specified

Date Collected: 08/25/22 08:50
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 19:16
Analyst: LAC
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.31	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.28	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.19	1
Benzene	ND		ug/kg	0.56	0.19	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.66	1
Vinyl chloride	ND		ug/kg	1.1	0.38	1
Chloroethane	ND		ug/kg	2.2	0.51	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.27	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-25 Date Collected: 08/25/22 08:50

Client ID: SB-25 (5') Date Received: 08/25/22

Sample Location: Not Specified 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	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.23	1
p/m-Xylene	ND		ug/kg	2.2	0.63	1
o-Xylene	ND		ug/kg	1.1	0.33	1
Xylenes, Total	ND		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	0.15	1
Dibromomethane	ND		ug/kg	2.2	0.27	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	ND		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		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	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.23	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.32	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	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	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.22	1
p-Chlorotoluene	ND		ug/kg	2.2	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	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.5	0.73	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-25 Date Collected: 08/25/22 08:50

Client ID: SB-25 (5') Date Received: 08/25/22

Sample Location: Not Specified 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	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.31	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.38	1
1,4-Dioxane	ND		ug/kg	90	40.	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.22	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Tentatively Identified Compounds						
Total TIC Compounds	4.35	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.35	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-27
Client ID: SB-25 (9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 19:43
Analyst: LAC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	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	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	ND		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-27 Date Collected: 08/25/22 08:55

Client ID: SB-25 (9') Date Received: 08/25/22

Sample Location: Not Specified 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	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	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	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	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	2.4	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	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	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	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-27 Date Collected: 08/25/22 08:55

Client ID: SB-25 (9') Date Received: 08/25/22

Sample Location: Not Specified 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	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	95	42.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1
Tentatively Identified Compounds						
Total TIC Compounds	4.20	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.20	NJ	ug/kg			1

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29
Client ID: SB-17 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 20:09
Analyst: LAC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	260	120	1
1,1-Dichloroethane	120		ug/kg	52	7.5	1
Chloroform	8.8	J	ug/kg	77	7.2	1
Carbon tetrachloride	ND		ug/kg	52	12.	1
1,2-Dichloropropane	ND		ug/kg	52	6.4	1
Dibromochloromethane	ND		ug/kg	52	7.2	1
1,1,2-Trichloroethane	ND		ug/kg	52	14.	1
Tetrachloroethene	97		ug/kg	26	10.	1
Chlorobenzene	ND		ug/kg	26	6.6	1
Trichlorofluoromethane	ND		ug/kg	210	36.	1
1,2-Dichloroethane	ND		ug/kg	52	13.	1
1,1,1-Trichloroethane	240		ug/kg	26	8.6	1
Bromodichloromethane	ND		ug/kg	26	5.6	1
trans-1,3-Dichloropropene	ND		ug/kg	52	14.	1
cis-1,3-Dichloropropene	ND		ug/kg	26	8.2	1
1,3-Dichloropropene, Total	ND		ug/kg	26	8.2	1
1,1-Dichloropropene	ND		ug/kg	26	8.2	1
Bromoform	ND		ug/kg	210	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	26	8.6	1
Benzene	ND		ug/kg	26	8.6	1
Toluene	ND		ug/kg	52	28.	1
Ethylbenzene	ND		ug/kg	52	7.3	1
Chloromethane	ND		ug/kg	210	48.	1
Bromomethane	ND		ug/kg	100	30.	1
Vinyl chloride	ND		ug/kg	52	17.	1
Chloroethane	ND		ug/kg	100	23.	1
1,1-Dichloroethene	28	J	ug/kg	52	12.	1
trans-1,2-Dichloroethene	ND		ug/kg	77	7.1	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29 Date Collected: 08/25/22 10:20

Client ID: SB-17 (2') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	1700		ug/kg	26	7.1	1
1,2-Dichlorobenzene	ND		ug/kg	100	7.4	1
1,3-Dichlorobenzene	ND		ug/kg	100	7.6	1
1,4-Dichlorobenzene	ND		ug/kg	100	8.8	1
Methyl tert butyl ether	ND		ug/kg	100	10.	1
p/m-Xylene	ND		ug/kg	100	29.	1
o-Xylene	ND		ug/kg	52	15.	1
Xylenes, Total	ND		ug/kg	52	15.	1
cis-1,2-Dichloroethene	350		ug/kg	52	9.0	1
1,2-Dichloroethene, Total	350		ug/kg	52	7.1	1
Dibromomethane	ND		ug/kg	100	12.	1
Styrene	11	J	ug/kg	52	10.	1
Dichlorodifluoromethane	ND		ug/kg	520	47.	1
Acetone	ND		ug/kg	520	250	1
Carbon disulfide	ND		ug/kg	520	240	1
2-Butanone	ND		ug/kg	520	110	1
Vinyl acetate	ND		ug/kg	520	110	1
4-Methyl-2-pentanone	ND		ug/kg	520	66.	1
1,2,3-Trichloropropane	ND		ug/kg	100	6.6	1
2-Hexanone	ND		ug/kg	520	61.	1
Bromochloromethane	ND		ug/kg	100	10.	1
2,2-Dichloropropane	ND		ug/kg	100	10.	1
1,2-Dibromoethane	ND		ug/kg	52	14.	1
1,3-Dichloropropane	ND		ug/kg	100	8.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	26	6.8	1
Bromobenzene	ND		ug/kg	100	7.5	1
n-Butylbenzene	ND		ug/kg	52	8.6	1
sec-Butylbenzene	ND		ug/kg	52	7.5	1
tert-Butylbenzene	ND		ug/kg	100	6.1	1
o-Chlorotoluene	ND		ug/kg	100	9.9	1
p-Chlorotoluene	ND		ug/kg	100	5.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	52.	1
Hexachlorobutadiene	ND		ug/kg	210	8.7	1
Isopropylbenzene	ND		ug/kg	52	5.6	1
p-Isopropyltoluene	ND		ug/kg	52	5.6	1
Naphthalene	ND		ug/kg	210	34.	1
Acrylonitrile	ND		ug/kg	210	59.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29 Date Collected: 08/25/22 10:20

Client ID: SB-17 (2') Date Received: 08/25/22

Sample Location: Not Specified 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	52	8.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	100	17.	1
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.	1
1,3,5-Trimethylbenzene	ND		ug/kg	100	10.	1
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.	1
1,4-Dioxane	ND		ug/kg	4100	1800	1
p-Diethylbenzene	ND		ug/kg	100	9.1	1
p-Ethyltoluene	ND		ug/kg	100	20.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.9	1
Ethyl ether	ND		ug/kg	100	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	260	73.	1
Tentatively Identified Compounds						
Total TIC Compounds	221	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	221	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	99		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29
Client ID: SB-17 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 00:36
Analyst: JC
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	3.8		ug/kg	1.3	0.20	1
Chloroform	0.29	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	0.47	J	ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.94	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	7.8		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.61	1
1,1-Dichloroethene	0.79	J	ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29 Date Collected: 08/25/22 10:20

Client ID: SB-17 (2') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	16		ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	8.5		ug/kg	1.3	0.24	1
1,2-Dichloroethene, Total	8.5		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.5	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29 Date Collected: 08/25/22 10:20

Client ID: SB-17 (2') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.52	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1
Tentatively Identified Compounds						
Total TIC Compounds	4.31	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.31	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-31
Client ID: SB-17 (5')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 20:35
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	5.1	2.4	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	1.6		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	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-31 Date Collected: 08/25/22 10:25

Client ID: SB-17 (5') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	4.4		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	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	0.47	J	ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	0.47	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	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-31 Date Collected: 08/25/22 10:25

Client ID: SB-17 (5') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Tentatively Identified Compounds						
Total TIC Compounds	3.54	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	3.54	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-33
Client ID: SB-17 (7')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 14:25
Analyst: AJK
Percent Solids: 95%

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	1.7		ug/kg	1.0	0.15	1
Chloroform	0.18	J	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	0.47	J	ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	4.1		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	0.58	J	ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	0.23	J	ug/kg	1.6	0.14	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-33 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7') Date Received: 08/25/22

Sample Location: Not Specified 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	0.52	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	6.4		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	6.6	J	ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	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	4.2	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	0.67	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-33 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7') Date Received: 08/25/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
Total TIC Compounds	8.56	J	ug/kg			1
Unknown	2.28	J	ug/kg			1
Unknown	3.35	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	2.93	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-35
Client ID: SB-19 (3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/31/22 16:25
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	270	120	1
1,1-Dichloroethane	930		ug/kg	54	7.9	1
Chloroform	ND		ug/kg	82	7.6	1
Carbon tetrachloride	ND		ug/kg	54	12.	1
1,2-Dichloropropane	ND		ug/kg	54	6.8	1
Dibromochloromethane	ND		ug/kg	54	7.6	1
1,1,2-Trichloroethane	ND		ug/kg	54	14.	1
Tetrachloroethene	ND		ug/kg	27	11.	1
Chlorobenzene	ND		ug/kg	27	6.9	1
Trichlorofluoromethane	ND		ug/kg	220	38.	1
1,2-Dichloroethane	ND		ug/kg	54	14.	1
1,1,1-Trichloroethane	74		ug/kg	27	9.1	1
Bromodichloromethane	ND		ug/kg	27	5.9	1
trans-1,3-Dichloropropene	ND		ug/kg	54	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	27	8.6	1
1,3-Dichloropropene, Total	ND		ug/kg	27	8.6	1
1,1-Dichloropropene	ND		ug/kg	27	8.7	1
Bromoform	ND		ug/kg	220	13.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	27	9.0	1
Benzene	ND		ug/kg	27	9.0	1
Toluene	32	J	ug/kg	54	30.	1
Ethylbenzene	20	J	ug/kg	54	7.7	1
Chloromethane	ND		ug/kg	220	51.	1
Bromomethane	ND		ug/kg	110	32.	1
Vinyl chloride	ND		ug/kg	54	18.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	83		ug/kg	54	13.	1
trans-1,2-Dichloroethene	52	J	ug/kg	82	7.5	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-35 Date Collected: 08/25/22 11:05

Client ID: SB-19 (3') Date Received: 08/25/22

Sample Location: Not Specified 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	27	7.5	1
1,2-Dichlorobenzene	ND		ug/kg	110	7.8	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.3	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	78	J	ug/kg	110	30.	1
o-Xylene	68		ug/kg	54	16.	1
Xylenes, Total	150	J	ug/kg	54	16.	1
cis-1,2-Dichloroethene	3200		ug/kg	54	9.5	1
1,2-Dichloroethene, Total	3300	J	ug/kg	54	7.5	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	11	J	ug/kg	54	11.	1
Dichlorodifluoromethane	ND		ug/kg	540	50.	1
Acetone	ND		ug/kg	540	260	1
Carbon disulfide	ND		ug/kg	540	250	1
2-Butanone	ND		ug/kg	540	120	1
Vinyl acetate	ND		ug/kg	540	120	1
4-Methyl-2-pentanone	ND		ug/kg	540	70.	1
1,2,3-Trichloropropane	ND		ug/kg	110	6.9	1
2-Hexanone	ND		ug/kg	540	64.	1
Bromochloromethane	ND		ug/kg	110	11.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	54	15.	1
1,3-Dichloropropane	ND		ug/kg	110	9.1	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	27	7.2	1
Bromobenzene	ND		ug/kg	110	7.9	1
n-Butylbenzene	250		ug/kg	54	9.1	1
sec-Butylbenzene	2300		ug/kg	54	8.0	1
tert-Butylbenzene	170		ug/kg	110	6.4	1
o-Chlorotoluene	ND		ug/kg	110	10.	1
p-Chlorotoluene	ND		ug/kg	110	5.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	160	54.	1
Hexachlorobutadiene	ND		ug/kg	220	9.2	1
Isopropylbenzene	130		ug/kg	54	5.9	1
p-Isopropyltoluene	1200		ug/kg	54	5.9	1
Naphthalene	4300		ug/kg	220	35.	1
Acrylonitrile	ND		ug/kg	220	63.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-35 Date Collected: 08/25/22 11:05

Client ID: SB-19 (3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	200		ug/kg	54	9.3	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	470		ug/kg	110	10.	1
1,2,4-Trimethylbenzene	360		ug/kg	110	18.	1
1,4-Dioxane	ND		ug/kg	4400	1900	1
p-Diethylbenzene	1400		ug/kg	110	9.6	1
p-Ethyltoluene	540		ug/kg	110	21.	1
1,2,4,5-Tetramethylbenzene	4100		ug/kg	110	10.	1
Ethyl ether	ND		ug/kg	110	18.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	270	77.	1
Tentatively Identified Compounds						
Total TIC Compounds	114000	J	ug/kg			1
Unknown Benzene	6530	J	ug/kg			1
Unknown Aromatic	9680	J	ug/kg			1
Unknown Benzene	18000	J	ug/kg			1
Unknown	4130	J	ug/kg			1
Unknown Benzene	7130	J	ug/kg			1
Unknown	4960	J	ug/kg			1
Unknown Benzene	4030	J	ug/kg			1
Unknown	5950	J	ug/kg			1
Benzene, (2-methyl-1-butenyl)-	7690	NJ	ug/kg			1
Unknown	4810	J	ug/kg			1
Unknown	5480	J	ug/kg			1
Unknown	8190	J	ug/kg			1
Unknown Aromatic	14400	J	ug/kg			1
Unknown Benzene	8470	J	ug/kg			1
Unknown	4760	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-35 Date Collected: 08/25/22 11:05

Client ID: SB-19 (3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	**132**	Q	70-130
Dibromofluoromethane	101		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-37
Client ID: SB-19 (4')
Sample Location: Not Specified

Date Collected: 08/25/22 11:10
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 15:23
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	200	91.	1
1,1-Dichloroethane	1500		ug/kg	40	5.8	1
Chloroform	ND		ug/kg	60	5.6	1
Carbon tetrachloride	ND		ug/kg	40	9.1	1
1,2-Dichloropropane	ND		ug/kg	40	5.0	1
Dibromochloromethane	ND		ug/kg	40	5.6	1
1,1,2-Trichloroethane	ND		ug/kg	40	10.	1
Tetrachloroethene	ND		ug/kg	20	7.8	1
Chlorobenzene	ND		ug/kg	20	5.0	1
Trichlorofluoromethane	ND		ug/kg	160	28.	1
1,2-Dichloroethane	ND		ug/kg	40	10.	1
1,1,1-Trichloroethane	290		ug/kg	20	6.6	1
Bromodichloromethane	ND		ug/kg	20	4.3	1
trans-1,3-Dichloropropene	ND		ug/kg	40	11.	1
cis-1,3-Dichloropropene	ND		ug/kg	20	6.3	1
1,3-Dichloropropene, Total	ND		ug/kg	20	6.3	1
1,1-Dichloropropene	ND		ug/kg	20	6.3	1
Bromoform	ND		ug/kg	160	9.8	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	20	6.6	1
Benzene	ND		ug/kg	20	6.6	1
Toluene	24	J	ug/kg	40	22.	1
Ethylbenzene	20	J	ug/kg	40	5.6	1
Chloromethane	ND		ug/kg	160	37.	1
Bromomethane	43	J	ug/kg	79	23.	1
Vinyl chloride	ND		ug/kg	40	13.	1
Chloroethane	ND		ug/kg	79	18.	1
1,1-Dichloroethene	160		ug/kg	40	9.4	1
trans-1,2-Dichloroethene	200		ug/kg	60	5.4	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-37 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	2400		ug/kg	20	5.4	1
1,2-Dichlorobenzene	ND		ug/kg	79	5.7	1
1,3-Dichlorobenzene	ND		ug/kg	79	5.9	1
1,4-Dichlorobenzene	ND		ug/kg	79	6.8	1
Methyl tert butyl ether	ND		ug/kg	79	8.0	1
p/m-Xylene	75	J	ug/kg	79	22.	1
o-Xylene	28	J	ug/kg	40	12.	1
Xylenes, Total	100	J	ug/kg	40	12.	1
cis-1,2-Dichloroethene	11000		ug/kg	40	6.9	1
1,2-Dichloroethene, Total	11000		ug/kg	40	5.4	1
Dibromomethane	ND		ug/kg	79	9.4	1
Styrene	12	J	ug/kg	40	7.8	1
Dichlorodifluoromethane	ND		ug/kg	400	36.	1
Acetone	300	J	ug/kg	400	190	1
Carbon disulfide	ND		ug/kg	400	180	1
2-Butanone	88	J	ug/kg	400	88.	1
Vinyl acetate	ND		ug/kg	400	85.	1
4-Methyl-2-pentanone	ND		ug/kg	400	51.	1
1,2,3-Trichloropropane	ND		ug/kg	79	5.0	1
2-Hexanone	ND		ug/kg	400	47.	1
Bromochloromethane	ND		ug/kg	79	8.1	1
2,2-Dichloropropane	ND		ug/kg	79	8.0	1
1,2-Dibromoethane	ND		ug/kg	40	11.	1
1,3-Dichloropropane	ND		ug/kg	79	6.6	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	20	5.2	1
Bromobenzene	ND		ug/kg	79	5.8	1
n-Butylbenzene	150		ug/kg	40	6.6	1
sec-Butylbenzene	630		ug/kg	40	5.8	1
tert-Butylbenzene	33	J	ug/kg	79	4.7	1
o-Chlorotoluene	ND		ug/kg	79	7.6	1
p-Chlorotoluene	ND		ug/kg	79	4.3	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	120	40.	1
Hexachlorobutadiene	ND		ug/kg	160	6.7	1
Isopropylbenzene	51		ug/kg	40	4.3	1
p-Isopropyltoluene	470		ug/kg	40	4.3	1
Naphthalene	3300		ug/kg	160	26.	1
Acrylonitrile	ND		ug/kg	160	46.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-37 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	120		ug/kg	40	6.8	1
1,2,3-Trichlorobenzene	ND		ug/kg	79	13.	1
1,2,4-Trichlorobenzene	ND		ug/kg	79	11.	1
1,3,5-Trimethylbenzene	250		ug/kg	79	7.7	1
1,2,4-Trimethylbenzene	180		ug/kg	79	13.	1
1,4-Dioxane	ND		ug/kg	3200	1400	1
p-Diethylbenzene	2300		ug/kg	79	7.0	1
p-Ethyltoluene	310		ug/kg	79	15.	1
1,2,4,5-Tetramethylbenzene	2100		ug/kg	79	7.6	1
Ethyl ether	ND		ug/kg	79	14.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	200	56.	1
Tentatively Identified Compounds						
Total TIC Compounds	143000	J	ug/kg			1
Unknown Naphthalene	17600	J	ug/kg			1
Tridecane	6680	NJ	ug/kg			1
Unknown	5280	J	ug/kg			1
Unknown Aromatic	5860	J	ug/kg			1
Unknown Naphthalene	17700	J	ug/kg			1
Unknown Aromatic	7050	J	ug/kg			1
Unknown Naphthalene	7410	J	ug/kg			1
Unknown	6130	J	ug/kg			1
Unknown Naphthalene	8950	J	ug/kg			1
Unknown	7770	J	ug/kg			1
Unknown Aromatic	16200	J	ug/kg			1
Unknown Aromatic	7810	J	ug/kg			1
Unknown Aromatic	8140	J	ug/kg			1
Unknown Aromatic	11400	J	ug/kg			1
Unknown Naphthalene	8840	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-37 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	106		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-39
Client ID: SB-19 (7')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 15:52
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	5.9	2.7	1
1,1-Dichloroethane	0.23	J	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	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	0.27	J	ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	ND		ug/kg	1.2	0.64	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-39 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7') Date Received: 08/25/22

Sample Location: Not Specified 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	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	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	2.2		ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	2.2		ug/kg	1.2	0.16	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	35		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	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	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	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	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	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	1.4	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-39 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7') Date Received: 08/25/22

Sample Location: Not Specified 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	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.39	1
1,4-Dioxane	ND		ug/kg	94	41.	1
p-Diethylbenzene	ND		ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1

Tentatively Identified Compounds				
Total TIC Compounds	106	J	ug/kg	1
Unknown	5.43	J	ug/kg	1
Unknown Naphthalene	7.22	J	ug/kg	1
Unknown Aromatic	5.63	J	ug/kg	1
Unknown Alkane	3.70	J	ug/kg	1
Unknown	8.88	J	ug/kg	1
Unknown Naphthalene	11.6	J	ug/kg	1
Unknown Alkane	7.18	J	ug/kg	1
Unknown Alkane	7.29	J	ug/kg	1
Unknown Alkane	8.37	J	ug/kg	1
Unknown Alkane	9.14	J	ug/kg	1
Unknown	12.0	J	ug/kg	1
Cyclotrisiloxane, Hexamethyl-	3.38	NJ	ug/kg	1
Unknown	4.18	J	ug/kg	1
Unknown Alkane	7.66	J	ug/kg	1
Unknown	3.90	J	ug/kg	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-39 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	106		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-41
Client ID: SB-29 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 16:21
Analyst: AJK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	9.1	4.2	1
1,1-Dichloroethane	ND		ug/kg	1.8	0.26	1
Chloroform	ND		ug/kg	2.7	0.26	1
Carbon tetrachloride	ND		ug/kg	1.8	0.42	1
1,2-Dichloropropane	ND		ug/kg	1.8	0.23	1
Dibromochloromethane	ND		ug/kg	1.8	0.26	1
1,1,2-Trichloroethane	ND		ug/kg	1.8	0.49	1
Tetrachloroethene	ND		ug/kg	0.91	0.36	1
Chlorobenzene	ND		ug/kg	0.91	0.23	1
Trichlorofluoromethane	ND		ug/kg	7.3	1.3	1
1,2-Dichloroethane	ND		ug/kg	1.8	0.47	1
1,1,1-Trichloroethane	32		ug/kg	0.91	0.30	1
Bromodichloromethane	ND		ug/kg	0.91	0.20	1
trans-1,3-Dichloropropene	ND		ug/kg	1.8	0.50	1
cis-1,3-Dichloropropene	ND		ug/kg	0.91	0.29	1
1,3-Dichloropropene, Total	ND		ug/kg	0.91	0.29	1
1,1-Dichloropropene	ND		ug/kg	0.91	0.29	1
Bromoform	ND		ug/kg	7.3	0.45	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.91	0.30	1
Benzene	ND		ug/kg	0.91	0.30	1
Toluene	ND		ug/kg	1.8	0.99	1
Ethylbenzene	ND		ug/kg	1.8	0.26	1
Chloromethane	ND		ug/kg	7.3	1.7	1
Bromomethane	ND		ug/kg	3.6	1.1	1
Vinyl chloride	ND		ug/kg	1.8	0.61	1
Chloroethane	ND		ug/kg	3.6	0.83	1
1,1-Dichloroethene	ND		ug/kg	1.8	0.44	1
trans-1,2-Dichloroethene	ND		ug/kg	2.7	0.25	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-41 Date Collected: 08/25/22 11:55

Client ID: SB-29 (2') Date Received: 08/25/22

Sample Location: Not Specified 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	0.91	0.25	1
1,2-Dichlorobenzene	ND		ug/kg	3.6	0.26	1
1,3-Dichlorobenzene	ND		ug/kg	3.6	0.27	1
1,4-Dichlorobenzene	ND		ug/kg	3.6	0.31	1
Methyl tert butyl ether	ND		ug/kg	3.6	0.37	1
p/m-Xylene	ND		ug/kg	3.6	1.0	1
o-Xylene	ND		ug/kg	1.8	0.53	1
Xylenes, Total	ND		ug/kg	1.8	0.53	1
cis-1,2-Dichloroethene	ND		ug/kg	1.8	0.32	1
1,2-Dichloroethene, Total	ND		ug/kg	1.8	0.25	1
Dibromomethane	ND		ug/kg	3.6	0.44	1
Styrene	ND		ug/kg	1.8	0.36	1
Dichlorodifluoromethane	ND		ug/kg	18	1.7	1
Acetone	17	J	ug/kg	18	8.8	1
Carbon disulfide	ND		ug/kg	18	8.3	1
2-Butanone	ND		ug/kg	18	4.0	1
Vinyl acetate	ND		ug/kg	18	3.9	1
4-Methyl-2-pentanone	ND		ug/kg	18	2.3	1
1,2,3-Trichloropropane	ND		ug/kg	3.6	0.23	1
2-Hexanone	ND		ug/kg	18	2.2	1
Bromochloromethane	ND		ug/kg	3.6	0.37	1
2,2-Dichloropropane	ND		ug/kg	3.6	0.37	1
1,2-Dibromoethane	ND		ug/kg	1.8	0.51	1
1,3-Dichloropropane	ND		ug/kg	3.6	0.30	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.91	0.24	1
Bromobenzene	ND		ug/kg	3.6	0.26	1
n-Butylbenzene	ND		ug/kg	1.8	0.30	1
sec-Butylbenzene	ND		ug/kg	1.8	0.27	1
tert-Butylbenzene	ND		ug/kg	3.6	0.22	1
o-Chlorotoluene	ND		ug/kg	3.6	0.35	1
p-Chlorotoluene	ND		ug/kg	3.6	0.20	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.5	1.8	1
Hexachlorobutadiene	ND		ug/kg	7.3	0.31	1
Isopropylbenzene	ND		ug/kg	1.8	0.20	1
p-Isopropyltoluene	ND		ug/kg	1.8	0.20	1
Naphthalene	ND		ug/kg	7.3	1.2	1
Acrylonitrile	ND		ug/kg	7.3	2.1	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-41 Date Collected: 08/25/22 11:55

Client ID: SB-29 (2') Date Received: 08/25/22

Sample Location: Not Specified 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	1.8	0.31	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.6	0.59	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.6	0.50	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.6	0.35	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.6	0.61	1
1,4-Dioxane	ND		ug/kg	150	64.	1
p-Diethylbenzene	ND		ug/kg	3.6	0.32	1
p-Ethyltoluene	ND		ug/kg	3.6	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.6	0.35	1
Ethyl ether	ND		ug/kg	3.6	0.62	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	9.1	2.6	1
Tentatively Identified Compounds						
Total TIC Compounds	26.2	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	5.28	NJ	ug/kg			1
Unknown	4.95	J	ug/kg			1
Unknown	3.67	J	ug/kg			1
Unknown	8.44	J	ug/kg			1
Unknown	3.82	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-43
Client ID: SB-29 (4')
Sample Location: Not Specified

Date Collected: 08/25/22 12:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 16:51
Analyst: AJK
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.7	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	0.35	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.3	0.31	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.17	1
Dibromochloromethane	ND		ug/kg	1.3	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.36	1
Tetrachloroethene	ND		ug/kg	0.67	0.26	1
Chlorobenzene	ND		ug/kg	0.67	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.4	0.93	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	8.4		ug/kg	0.67	0.22	1
Bromodichloromethane	ND		ug/kg	0.67	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.67	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.67	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.67	0.21	1
Bromoform	ND		ug/kg	5.4	0.33	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.67	0.22	1
Benzene	ND		ug/kg	0.67	0.22	1
Toluene	ND		ug/kg	1.3	0.73	1
Ethylbenzene	ND		ug/kg	1.3	0.19	1
Chloromethane	ND		ug/kg	5.4	1.2	1
Bromomethane	ND		ug/kg	2.7	0.78	1
Vinyl chloride	ND		ug/kg	1.3	0.45	1
Chloroethane	ND		ug/kg	2.7	0.60	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.32	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-43 Date Collected: 08/25/22 12:00

Client ID: SB-29 (4') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	0.54	J	ug/kg	0.67	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.27	1
p/m-Xylene	ND		ug/kg	2.7	0.75	1
o-Xylene	ND		ug/kg	1.3	0.39	1
Xylenes, Total	ND		ug/kg	1.3	0.39	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
1,2-Dichloroethene, Total	ND		ug/kg	1.3	0.18	1
Dibromomethane	ND		ug/kg	2.7	0.32	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	ND		ug/kg	13	6.4	1
Carbon disulfide	ND		ug/kg	13	6.1	1
2-Butanone	ND		ug/kg	13	3.0	1
Vinyl acetate	ND		ug/kg	13	2.9	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	13	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.27	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.67	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.0	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.4	0.23	1
Isopropylbenzene	ND		ug/kg	1.3	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.15	1
Naphthalene	ND		ug/kg	5.4	0.87	1
Acrylonitrile	ND		ug/kg	5.4	1.5	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-43 Date Collected: 08/25/22 12:00

Client ID: SB-29 (4') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.43	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.45	1
1,4-Dioxane	ND		ug/kg	110	47.	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.51	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.46	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.7	1.9	1

Tentatively Identified Compounds				
Total TIC Compounds	23.5	J	ug/kg	1
Cyclopentane	3.12	NJ	ug/kg	1
Unknown	3.24	J	ug/kg	1
Cyclotrisiloxane, Hexamethyl-	4.45	NJ	ug/kg	1
Unknown	3.99	J	ug/kg	1
Unknown	3.87	J	ug/kg	1
Unknown	4.84	J	ug/kg	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-45
Client ID: SB-29 (8')
Sample Location: Not Specified

Date Collected: 08/25/22 12:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 08/29/22 17:21
Analyst: AJK
Percent Solids: 95%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.3	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.2	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.16	1
Dibromochloromethane	ND		ug/kg	1.2	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.34	1
Tetrachloroethene	ND		ug/kg	0.63	0.25	1
Chlorobenzene	ND		ug/kg	0.63	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.0	0.87	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.32	1
1,1,1-Trichloroethane	0.37	J	ug/kg	0.63	0.21	1
Bromodichloromethane	ND		ug/kg	0.63	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.34	1
cis-1,3-Dichloropropene	ND		ug/kg	0.63	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.63	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.63	0.20	1
Bromoform	ND		ug/kg	5.0	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.63	0.21	1
Benzene	ND		ug/kg	0.63	0.21	1
Toluene	ND		ug/kg	1.2	0.68	1
Ethylbenzene	ND		ug/kg	1.2	0.18	1
Chloromethane	ND		ug/kg	5.0	1.2	1
Bromomethane	ND		ug/kg	2.5	0.73	1
Vinyl chloride	ND		ug/kg	1.2	0.42	1
Chloroethane	ND		ug/kg	2.5	0.57	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.17	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-45 Date Collected: 08/25/22 12:05

Client ID: SB-29 (8') Date Received: 08/25/22

Sample Location: Not Specified 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	0.63	0.17	1
1,2-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.5	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.5	0.21	1
Methyl tert butyl ether	ND		ug/kg	2.5	0.25	1
p/m-Xylene	ND		ug/kg	2.5	0.70	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	0.22	1
1,2-Dichloroethene, Total	ND		ug/kg	1.2	0.17	1
Dibromomethane	ND		ug/kg	2.5	0.30	1
Styrene	ND		ug/kg	1.2	0.25	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	15		ug/kg	12	6.0	1
Carbon disulfide	ND		ug/kg	12	5.7	1
2-Butanone	ND		ug/kg	12	2.8	1
Vinyl acetate	ND		ug/kg	12	2.7	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.5	0.16	1
2-Hexanone	ND		ug/kg	12	1.5	1
Bromochloromethane	ND		ug/kg	2.5	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.5	0.25	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.35	1
1,3-Dichloropropane	ND		ug/kg	2.5	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.63	0.16	1
Bromobenzene	ND		ug/kg	2.5	0.18	1
n-Butylbenzene	ND		ug/kg	1.2	0.21	1
sec-Butylbenzene	ND		ug/kg	1.2	0.18	1
tert-Butylbenzene	ND		ug/kg	2.5	0.15	1
o-Chlorotoluene	ND		ug/kg	2.5	0.24	1
p-Chlorotoluene	ND		ug/kg	2.5	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.2	1
Hexachlorobutadiene	ND		ug/kg	5.0	0.21	1
Isopropylbenzene	ND		ug/kg	1.2	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.14	1
Naphthalene	ND		ug/kg	5.0	0.82	1
Acrylonitrile	ND		ug/kg	5.0	1.4	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-45 Date Collected: 08/25/22 12:05

Client ID: SB-29 (8') Date Received: 08/25/22

Sample Location: Not Specified 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	2.5	0.40	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.5	0.34	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.5	0.24	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.5	0.42	1
1,4-Dioxane	ND		ug/kg	100	44.	1
p-Diethylbenzene	ND		ug/kg	2.5	0.22	1
p-Ethyltoluene	ND		ug/kg	2.5	0.48	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.5	0.24	1
Ethyl ether	ND		ug/kg	2.5	0.43	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.3	1.8	1
Tentatively Identified Compounds						
Total TIC Compounds	14.7	J	ug/kg			1
Unknown	4.01	J	ug/kg			1
Unknown	2.83	J	ug/kg			1
Unknown	3.68	J	ug/kg			1
Cyclotrisiloxane, Hexamethyl-	4.13	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	103		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/22 15:05
Analyst: PD

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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	2.3	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	1.05	J	ug/l			1
Unknown	1.05	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	111		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-48
Client ID: TRIP BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 00:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 08/27/22 15:31
Analyst: PD

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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-48 Date Collected: 08/25/22 00:00

Client ID: TRIP BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	1.5	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-48 Date Collected: 08/25/22 00:00

Client ID: TRIP BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	1.07	J	ug/l			1
Unknown	1.07	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	97		70-130
Dibromofluoromethane	100		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-49
Client ID: WC-10 (6')
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/01/22 13:23
Analyst: LAC
Percent Solids: 95%
TCLP/SPLP Ext. Date: 08/31/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	116		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 08:28
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1680804-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 08:28
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1680804-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 08:28
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1680804-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 08:28
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 16 Batch: WG1680804-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	104		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/22 13:47
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 47-48 Batch: WG1681312-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/22 13:47
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 47-48 Batch: WG1681312-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/22 13:47
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 47-48 Batch: WG1681312-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Tentatively Identified Compounds			
Total TIC Compounds	1.12	J	ug/l
Unknown	1.12	J	ug/l

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/27/22 13:47
Analyst: TMS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 47-48 Batch: WG1681312-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	92		70-130
Dibromofluoromethane	97		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,09,11,13,15 Batch: WG1681437-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,09,11,13,15 Batch: WG1681437-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,09,11,13,15 Batch: WG1681437-5					
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	2.54	J	ug/kg
Unknown	2.54	J	ug/kg

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03,09,11,13,15 Batch: WG1681437-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1681440-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1681440-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1681440-5					
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	127	J	ug/kg
Unknown	127	J	ug/kg

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/26/22 10:46
Analyst: TMH

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 05 Batch: WG1681440-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,31 Batch: WG1681638-5					
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	0.74	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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,31 Batch: WG1681638-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,31 Batch: WG1681638-5					
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	6.67	J	ug/kg
Unknown	3.88	J	ug/kg
Unknown	2.79	J	ug/kg

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 23,25,27,31 Batch: WG1681638-5					

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 29 Batch: WG1681641-5					
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	37	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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 29 Batch: WG1681641-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 29 Batch: WG1681641-5					
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	334	J	ug/kg
Unknown	140	J	ug/kg
Unknown	194	J	ug/kg

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:49
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 29 Batch: WG1681641-5					

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 33,39,41,43,45 Batch: WG1681662-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 33,39,41,43,45 Batch: WG1681662-5					
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	0.43	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 33,39,41,43,45 Batch: WG1681662-5					
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	9.16	J	ug/kg
Unknown	2.82	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	3.21	NJ	ug/kg
Unknown	3.13	J	ug/kg

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 11:31
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 33,39,41,43,45 Batch: WG1681662-5					

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 12:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 37 Batch: WG1681664-5					
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	110		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 12:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 37 Batch: WG1681664-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 12:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 37 Batch: WG1681664-5					
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	418	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	134	NJ	ug/kg
Unknown	154	J	ug/kg
Unknown	130	J	ug/kg

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/29/22 12:00
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 37 Batch: WG1681664-5					

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/22 16:42
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1681869-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/22 16:42
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1681869-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/22 16:42
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1681869-5					
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	0.38	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.27	J	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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/30/22 16:42
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 07 Batch: WG1681869-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	87		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 08:51
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 35 Batch: WG1682181-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 08:51
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 35 Batch: WG1682181-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 08:51
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 35 Batch: WG1682181-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 08:51
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 35 Batch: WG1682181-5					

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

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 16:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 29 Batch: WG1682388-5					
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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 16:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 29 Batch: WG1682388-5					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 16:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 29 Batch: WG1682388-5					
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	2.64	J	ug/kg
Cyclotrisiloxane, Hexamethyl-	2.64	NJ	ug/kg

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 08/31/22 16:44
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 29 Batch: WG1682388-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	94		70-130

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/01/22 08:49
Analyst: MM
TCLP/SPLP Extraction Date: 08/31/22 16:14
Extraction Date: 08/31/22 16:14

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 17,19,21,49 Batch: WG1682563-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	113		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1680804-3 WG1680804-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	120		130		70-130	8		20
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	97		96		63-132	1		20
1,2-Dichloropropane	110		120		70-130	9		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		70-130	0		20
Tetrachloroethene	120		120		70-130	0		20
Chlorobenzene	110		100		75-130	10		20
Trichlorofluoromethane	99		110		62-150	11		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	100		96		67-130	4		20
Bromodichloromethane	99		110		67-130	11		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	93		100		70-130	7		20
1,1-Dichloropropene	100		93		70-130	7		20
Bromoform	88		85		54-136	3		20
1,1,2,2-Tetrachloroethane	99		100		67-130	1		20
Benzene	110		94		70-130	16		20
Toluene	110		110		70-130	0		20
Ethylbenzene	100		99		70-130	1		20
Chloromethane	110		130		64-130	17		20
Bromomethane	74		93		39-139	**23**	Q	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1680804-3 WG1680804-4								
Vinyl chloride	110		130		55-140	17		20
Chloroethane	110		120		55-138	9		20
1,1-Dichloroethene	96		100		61-145	4		20
trans-1,2-Dichloroethene	110		120		70-130	9		20
Trichloroethene	110		120		70-130	9		20
1,2-Dichlorobenzene	100		100		70-130	0		20
1,3-Dichlorobenzene	110		100		70-130	10		20
1,4-Dichlorobenzene	110		100		70-130	10		20
Methyl tert butyl ether	83		95		63-130	13		20
p/m-Xylene	105		105		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	85		110		70-130	**26**	Q	20
Dibromomethane	96		110		70-130	14		20
1,2,3-Trichloropropane	100		98		64-130	2		20
Acrylonitrile	92		100		70-130	8		20
Styrene	110		110		70-130	0		20
Dichlorodifluoromethane	130		**150**	Q	36-147	14		20
Acetone	100		130		58-148	**26**	Q	20
Carbon disulfide	100		110		51-130	10		20
2-Butanone	96		85		63-138	12		20
Vinyl acetate	76		110		70-130	**37**	Q	20
4-Methyl-2-pentanone	96		110		59-130	14		20
2-Hexanone	79		81		57-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1680804-3 WG1680804-4								
Bromochloromethane	93		120		70-130	**25**	Q	20
2,2-Dichloropropane	82		100		63-133	20		20
1,2-Dibromoethane	110		110		70-130	0		20
1,3-Dichloropropane	100		100		70-130	0		20
1,1,1,2-Tetrachloroethane	100		110		64-130	10		20
Bromobenzene	97		95		70-130	2		20
n-Butylbenzene	100		100		53-136	0		20
sec-Butylbenzene	100		98		70-130	2		20
tert-Butylbenzene	94		94		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	77		82		41-144	6		20
Hexachlorobutadiene	100		100		63-130	0		20
Isopropylbenzene	93		90		70-130	3		20
p-Isopropyltoluene	96		95		70-130	1		20
Naphthalene	75		76		70-130	1		20
n-Propylbenzene	100		99		69-130	1		20
1,2,3-Trichlorobenzene	95		92		70-130	3		20
1,2,4-Trichlorobenzene	92		92		70-130	0		20
1,3,5-Trimethylbenzene	98		98		64-130	0		20
1,2,4-Trimethylbenzene	95		94		70-130	1		20
1,4-Dioxane	84		92		56-162	9		20
p-Diethylbenzene	93		90		70-130	3		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 16 Batch: WG1680804-3 WG1680804-4								
p-Ethyltoluene	98		96		70-130	2		20
1,2,4,5-Tetramethylbenzene	77		75		70-130	3		20
Ethyl ether	76		96		59-134	**23**	Q	20
trans-1,4-Dichloro-2-butene	92		91		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		100		70-130
Toluene-d8	106		107		70-130
4-Bromofluorobenzene	89		92		70-130
Dibromofluoromethane	100		98		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 47-48 Batch: WG1681312-3 WG1681312-4								
Methylene chloride	96		94		70-130	2		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	99		99		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
1,2-Dichloropropane	100		99		70-130	1		20
Dibromochloromethane	100		100		63-130	0		20
1,1,2-Trichloroethane	110		110		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	110		110		70-130	0		20
1,1,1-Trichloroethane	100		99		67-130	1		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	100		100		70-130	0		20
cis-1,3-Dichloropropene	97		96		70-130	1		20
1,1-Dichloropropene	100		100		70-130	0		20
Bromoform	100		110		54-136	10		20
1,1,2,2-Tetrachloroethane	110		110		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	130		**140**	Q	64-130	7		20
Bromomethane	69		67		39-139	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 47-48 Batch: WG1681312-3 WG1681312-4								
Vinyl chloride	140		140		55-140	0		20
Chloroethane	**220**	Q	**200**	Q	55-138	10		20
1,1-Dichloroethene	100		100		61-145	0		20
trans-1,2-Dichloroethene	100		100		70-130	0		20
Trichloroethene	98		100		70-130	2		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	93		91		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	96		96		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	100		110		64-130	10		20
Acrylonitrile	110		110		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	130		130		36-147	0		20
Acetone	130		130		58-148	0		20
Carbon disulfide	120		110		51-130	9		20
2-Butanone	100		99		63-138	1		20
Vinyl acetate	120		110		70-130	9		20
4-Methyl-2-pentanone	110		110		59-130	0		20
2-Hexanone	98		110		57-130	12		20

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 47-48 Batch: WG1681312-3 WG1681312-4								
Bromochloromethane	92		92		70-130	0		20
2,2-Dichloropropane	96		93		63-133	3		20
1,2-Dibromoethane	100		100		70-130	0		20
1,3-Dichloropropane	110		110		70-130	0		20
1,1,1,2-Tetrachloroethane	97		95		64-130	2		20
Bromobenzene	99		99		70-130	0		20
n-Butylbenzene	110		110		53-136	0		20
sec-Butylbenzene	100		100		70-130	0		20
tert-Butylbenzene	100		100		70-130	0		20
o-Chlorotoluene	110		110		70-130	0		20
p-Chlorotoluene	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	94		93		41-144	1		20
Hexachlorobutadiene	100		98		63-130	2		20
Isopropylbenzene	100		100		70-130	0		20
p-Isopropyltoluene	99		99		70-130	0		20
Naphthalene	82		84		70-130	2		20
n-Propylbenzene	110		110		69-130	0		20
1,2,3-Trichlorobenzene	92		96		70-130	4		20
1,2,4-Trichlorobenzene	96		94		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	88		88		56-162	0		20
p-Diethylbenzene	98		98		70-130	0		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 47-48 Batch: WG1681312-3 WG1681312-4								
p-Ethyltoluene	100		100		70-130	0		20
1,2,4,5-Tetramethylbenzene	87		86		70-130	1		20
Ethyl ether	98		98		59-134	0		20
trans-1,4-Dichloro-2-butene	77		76		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	112		112		70-130
Toluene-d8	107		104		70-130
4-Bromofluorobenzene	95		97		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,09,11,13,15 Batch: WG1681437-3 WG1681437-4								
Methylene chloride	92		80		70-130	14		30
1,1-Dichloroethane	101		86		70-130	16		30
Chloroform	96		82		70-130	16		30
Carbon tetrachloride	95		78		70-130	20		30
1,2-Dichloropropane	95		84		70-130	12		30
Dibromochloromethane	102		94		70-130	8		30
1,1,2-Trichloroethane	101		95		70-130	6		30
Tetrachloroethene	108		89		70-130	19		30
Chlorobenzene	106		90		70-130	16		30
Trichlorofluoromethane	107		86		70-139	22		30
1,2-Dichloroethane	93		86		70-130	8		30
1,1,1-Trichloroethane	101		84		70-130	18		30
Bromodichloromethane	95		84		70-130	12		30
trans-1,3-Dichloropropene	107		97		70-130	10		30
cis-1,3-Dichloropropene	98		87		70-130	12		30
1,1-Dichloropropene	102		84		70-130	19		30
Bromoform	100		95		70-130	5		30
1,1,2,2-Tetrachloroethane	102		97		70-130	5		30
Benzene	98		83		70-130	17		30
Toluene	106		88		70-130	19		30
Ethylbenzene	107		89		70-130	18		30
Chloromethane	118		98		52-130	19		30
Bromomethane	116		98		57-147	17		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,09,11,13,15 Batch: WG1681437-3 WG1681437-4								
Vinyl chloride	111		91		67-130	20		30
Chloroethane	116		96		50-151	19		30
1,1-Dichloroethene	104		85		65-135	20		30
trans-1,2-Dichloroethene	98		83		70-130	17		30
Trichloroethene	101		86		70-130	16		30
1,2-Dichlorobenzene	108		94		70-130	14		30
1,3-Dichlorobenzene	108		92		70-130	16		30
1,4-Dichlorobenzene	108		92		70-130	16		30
Methyl tert butyl ether	89		86		66-130	3		30
p/m-Xylene	111		91		70-130	20		30
o-Xylene	111		93		70-130	18		30
cis-1,2-Dichloroethene	95		81		70-130	16		30
Dibromomethane	91		87		70-130	4		30
Styrene	112		95		70-130	16		30
Dichlorodifluoromethane	94		78		30-146	19		30
Acetone	86		88		54-140	2		30
Carbon disulfide	98		80		59-130	20		30
2-Butanone	87		92		70-130	6		30
Vinyl acetate	90		81		70-130	11		30
4-Methyl-2-pentanone	104		105		70-130	1		30
1,2,3-Trichloropropane	98		96		68-130	2		30
2-Hexanone	95		97		70-130	2		30
Bromochloromethane	95		89		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,09,11,13,15 Batch: WG1681437-3 WG1681437-4								
2,2-Dichloropropane	105		85		70-130	21		30
1,2-Dibromoethane	101		97		70-130	4		30
1,3-Dichloropropane	102		96		69-130	6		30
1,1,1,2-Tetrachloroethane	104		90		70-130	14		30
Bromobenzene	105		91		70-130	14		30
n-Butylbenzene	117		95		70-130	21		30
sec-Butylbenzene	112		91		70-130	21		30
tert-Butylbenzene	110		90		70-130	20		30
o-Chlorotoluene	108		90		70-130	18		30
p-Chlorotoluene	111		93		70-130	18		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Hexachlorobutadiene	115		94		67-130	20		30
Isopropylbenzene	107		88		70-130	19		30
p-Isopropyltoluene	114		93		70-130	20		30
Naphthalene	102		98		70-130	4		30
Acrylonitrile	95		100		70-130	5		30
n-Propylbenzene	110		90		70-130	20		30
1,2,3-Trichlorobenzene	106		94		70-130	12		30
1,2,4-Trichlorobenzene	109		95		70-130	14		30
1,3,5-Trimethylbenzene	112		92		70-130	20		30
1,2,4-Trimethylbenzene	112		93		70-130	19		30
1,4-Dioxane	110		118		65-136	7		30
p-Diethylbenzene	115		93		70-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03,09,11,13,15 Batch: WG1681437-3 WG1681437-4								
p-Ethyltoluene	110		90		70-130	20		30
1,2,4,5-Tetramethylbenzene	112		92		70-130	20		30
Ethyl ether	94		87		67-130	8		30
trans-1,4-Dichloro-2-butene	100		103		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	96		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1681440-3 WG1681440-4								
Methylene chloride	92		80		70-130	14		30
1,1-Dichloroethane	101		86		70-130	16		30
Chloroform	96		82		70-130	16		30
Carbon tetrachloride	95		78		70-130	20		30
1,2-Dichloropropane	95		84		70-130	12		30
Dibromochloromethane	102		94		70-130	8		30
1,1,2-Trichloroethane	101		95		70-130	6		30
Tetrachloroethene	108		89		70-130	19		30
Chlorobenzene	106		90		70-130	16		30
Trichlorofluoromethane	107		86		70-139	22		30
1,2-Dichloroethane	93		86		70-130	8		30
1,1,1-Trichloroethane	101		84		70-130	18		30
Bromodichloromethane	95		84		70-130	12		30
trans-1,3-Dichloropropene	107		97		70-130	10		30
cis-1,3-Dichloropropene	98		87		70-130	12		30
1,1-Dichloropropene	102		84		70-130	19		30
Bromoform	100		95		70-130	5		30
1,1,2,2-Tetrachloroethane	102		97		70-130	5		30
Benzene	98		83		70-130	17		30
Toluene	106		88		70-130	19		30
Ethylbenzene	107		89		70-130	18		30
Chloromethane	118		98		52-130	19		30
Bromomethane	116		98		57-147	17		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1681440-3 WG1681440-4								
Vinyl chloride	111		91		67-130	20		30
Chloroethane	116		96		50-151	19		30
1,1-Dichloroethene	104		85		65-135	20		30
trans-1,2-Dichloroethene	98		83		70-130	17		30
Trichloroethene	101		86		70-130	16		30
1,2-Dichlorobenzene	108		94		70-130	14		30
1,3-Dichlorobenzene	108		92		70-130	16		30
1,4-Dichlorobenzene	108		92		70-130	16		30
Methyl tert butyl ether	89		86		66-130	3		30
p/m-Xylene	111		91		70-130	20		30
o-Xylene	111		93		70-130	18		30
cis-1,2-Dichloroethene	95		81		70-130	16		30
Dibromomethane	91		87		70-130	4		30
Styrene	112		95		70-130	16		30
Dichlorodifluoromethane	94		78		30-146	19		30
Acetone	86		88		54-140	2		30
Carbon disulfide	98		80		59-130	20		30
2-Butanone	87		92		70-130	6		30
Vinyl acetate	90		81		70-130	11		30
4-Methyl-2-pentanone	104		105		70-130	1		30
1,2,3-Trichloropropane	98		96		68-130	2		30
2-Hexanone	95		97		70-130	2		30
Bromochloromethane	95		89		70-130	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1681440-3 WG1681440-4								
2,2-Dichloropropane	105		85		70-130	21		30
1,2-Dibromoethane	101		97		70-130	4		30
1,3-Dichloropropane	102		96		69-130	6		30
1,1,1,2-Tetrachloroethane	104		90		70-130	14		30
Bromobenzene	105		91		70-130	14		30
n-Butylbenzene	117		95		70-130	21		30
sec-Butylbenzene	112		91		70-130	21		30
tert-Butylbenzene	110		90		70-130	20		30
o-Chlorotoluene	108		90		70-130	18		30
p-Chlorotoluene	111		93		70-130	18		30
1,2-Dibromo-3-chloropropane	96		95		68-130	1		30
Hexachlorobutadiene	115		94		67-130	20		30
Isopropylbenzene	107		88		70-130	19		30
p-Isopropyltoluene	114		93		70-130	20		30
Naphthalene	102		98		70-130	4		30
Acrylonitrile	95		100		70-130	5		30
n-Propylbenzene	110		90		70-130	20		30
1,2,3-Trichlorobenzene	106		94		70-130	12		30
1,2,4-Trichlorobenzene	109		95		70-130	14		30
1,3,5-Trimethylbenzene	112		92		70-130	20		30
1,2,4-Trimethylbenzene	112		93		70-130	19		30
1,4-Dioxane	110		118		65-136	7		30
p-Diethylbenzene	115		93		70-130	21		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 05 Batch: WG1681440-3 WG1681440-4								
p-Ethyltoluene	110		90		70-130	20		30
1,2,4,5-Tetramethylbenzene	112		92		70-130	20		30
Ethyl ether	94		87		67-130	8		30
trans-1,4-Dichloro-2-butene	100		103		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		102		70-130
Toluene-d8	104		103		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	96		99		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,31 Batch: WG1681638-3 WG1681638-4								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	93		92		70-130	1		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	95		94		70-130	1		30
Dibromochloromethane	98		98		70-130	0		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	102		102		70-139	0		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	97		95		70-130	2		30
Bromodichloromethane	95		95		70-130	0		30
trans-1,3-Dichloropropene	101		100		70-130	1		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	96		94		70-130	2		30
Benzene	94		93		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	93		90		52-130	3		30
Bromomethane	113		114		57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,31 Batch: WG1681638-3 WG1681638-4								
Vinyl chloride	98		98		67-130	0		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	93		92		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	95		95		70-130	0		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	95		94		70-130	1		30
o-Xylene	97		95		70-130	2		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Dibromomethane	94		94		70-130	0		30
Styrene	95		94		70-130	1		30
Dichlorodifluoromethane	90		88		30-146	2		30
Acetone	84		95		54-140	12		30
Carbon disulfide	86		84		59-130	2		30
2-Butanone	96		99		70-130	3		30
Vinyl acetate	95		89		70-130	7		30
4-Methyl-2-pentanone	102		104		70-130	2		30
1,2,3-Trichloropropane	97		98		68-130	1		30
2-Hexanone	95		95		70-130	0		30
Bromochloromethane	91		91		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,31 Batch: WG1681638-3 WG1681638-4								
2,2-Dichloropropane	98		96		70-130	2		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	95		93		70-130	2		30
o-Chlorotoluene	93		92		70-130	1		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	100		99		68-130	1		30
Hexachlorobutadiene	92		93		67-130	1		30
Isopropylbenzene	96		94		70-130	2		30
p-Isopropyltoluene	97		96		70-130	1		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	98		97		70-130	1		30
n-Propylbenzene	97		96		70-130	1		30
1,2,3-Trichlorobenzene	100		100		70-130	0		30
1,2,4-Trichlorobenzene	100		98		70-130	2		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
1,4-Dioxane	97		100		65-136	3		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 23,25,27,31 Batch: WG1681638-3 WG1681638-4								
p-Ethyltoluene	96		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		30
Ethyl ether	96		98		67-130	2		30
trans-1,4-Dichloro-2-butene	106		104		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		98		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 29 Batch: WG1681641-3 WG1681641-4								
Methylene chloride	88		88		70-130	0		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	93		92		70-130	1		30
Carbon tetrachloride	94		92		70-130	2		30
1,2-Dichloropropane	95		94		70-130	1		30
Dibromochloromethane	98		98		70-130	0		30
1,1,2-Trichloroethane	99		98		70-130	1		30
Tetrachloroethene	95		93		70-130	2		30
Chlorobenzene	94		93		70-130	1		30
Trichlorofluoromethane	102		102		70-139	0		30
1,2-Dichloroethane	96		96		70-130	0		30
1,1,1-Trichloroethane	97		95		70-130	2		30
Bromodichloromethane	95		95		70-130	0		30
trans-1,3-Dichloropropene	101		100		70-130	1		30
cis-1,3-Dichloropropene	98		98		70-130	0		30
1,1-Dichloropropene	97		96		70-130	1		30
Bromoform	99		100		70-130	1		30
1,1,2,2-Tetrachloroethane	96		94		70-130	2		30
Benzene	94		93		70-130	1		30
Toluene	90		90		70-130	0		30
Ethylbenzene	95		93		70-130	2		30
Chloromethane	93		90		52-130	3		30
Bromomethane	113		114		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 29 Batch: WG1681641-3 WG1681641-4								
Vinyl chloride	98		98		67-130	0		30
Chloroethane	94		94		50-151	0		30
1,1-Dichloroethene	93		92		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	95		95		70-130	0		30
1,2-Dichlorobenzene	95		95		70-130	0		30
1,3-Dichlorobenzene	96		95		70-130	1		30
1,4-Dichlorobenzene	95		94		70-130	1		30
Methyl tert butyl ether	97		97		66-130	0		30
p/m-Xylene	95		94		70-130	1		30
o-Xylene	97		95		70-130	2		30
cis-1,2-Dichloroethene	92		92		70-130	0		30
Dibromomethane	94		94		70-130	0		30
Styrene	95		94		70-130	1		30
Dichlorodifluoromethane	90		88		30-146	2		30
Acetone	84		95		54-140	12		30
Carbon disulfide	86		84		59-130	2		30
2-Butanone	96		99		70-130	3		30
Vinyl acetate	95		89		70-130	7		30
4-Methyl-2-pentanone	102		104		70-130	2		30
1,2,3-Trichloropropane	97		98		68-130	1		30
2-Hexanone	95		95		70-130	0		30
Bromochloromethane	91		91		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 29 Batch: WG1681641-3 WG1681641-4								
2,2-Dichloropropane	98		96		70-130	2		30
1,2-Dibromoethane	98		98		70-130	0		30
1,3-Dichloropropane	98		98		69-130	0		30
1,1,1,2-Tetrachloroethane	96		96		70-130	0		30
Bromobenzene	94		93		70-130	1		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	95		93		70-130	2		30
o-Chlorotoluene	93		92		70-130	1		30
p-Chlorotoluene	95		94		70-130	1		30
1,2-Dibromo-3-chloropropane	100		99		68-130	1		30
Hexachlorobutadiene	92		93		67-130	1		30
Isopropylbenzene	96		94		70-130	2		30
p-Isopropyltoluene	97		96		70-130	1		30
Naphthalene	98		98		70-130	0		30
Acrylonitrile	98		97		70-130	1		30
n-Propylbenzene	97		96		70-130	1		30
1,2,3-Trichlorobenzene	100		100		70-130	0		30
1,2,4-Trichlorobenzene	100		98		70-130	2		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	96		95		70-130	1		30
1,4-Dioxane	97		100		65-136	3		30
p-Diethylbenzene	98		96		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 29 Batch: WG1681641-3 WG1681641-4								
p-Ethyltoluene	96		95		70-130	1		30
1,2,4,5-Tetramethylbenzene	98		98		70-130	0		30
Ethyl ether	96		98		67-130	2		30
trans-1,4-Dichloro-2-butene	106		104		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	100		99		70-130
4-Bromofluorobenzene	97		99		70-130
Dibromofluoromethane	100		101		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 33,39,41,43,45 Batch: WG1681662-3 WG1681662-4								
Methylene chloride	98		95		70-130	3		30
1,1-Dichloroethane	103		96		70-130	7		30
Chloroform	99		91		70-130	8		30
Carbon tetrachloride	105		95		70-130	10		30
1,2-Dichloropropane	100		93		70-130	7		30
Dibromochloromethane	103		96		70-130	7		30
1,1,2-Trichloroethane	98		92		70-130	6		30
Tetrachloroethene	110		100		70-130	10		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	93		83		70-139	11		30
1,2-Dichloroethane	96		89		70-130	8		30
1,1,1-Trichloroethane	106		96		70-130	10		30
Bromodichloromethane	99		92		70-130	7		30
trans-1,3-Dichloropropene	103		96		70-130	7		30
cis-1,3-Dichloropropene	104		97		70-130	7		30
1,1-Dichloropropene	106		96		70-130	10		30
Bromoform	99		90		70-130	10		30
1,1,2,2-Tetrachloroethane	92		81		70-130	13		30
Benzene	102		94		70-130	8		30
Toluene	99		91		70-130	8		30
Ethylbenzene	101		93		70-130	8		30
Chloromethane	106		97		52-130	9		30
Bromomethane	108		101		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 33,39,41,43,45 Batch: WG1681662-3 WG1681662-4								
Vinyl chloride	100		92		67-130	8		30
Chloroethane	94		85		50-151	10		30
1,1-Dichloroethene	91		84		65-135	8		30
trans-1,2-Dichloroethene	**152**	Q	100		70-130	**41**	Q	30
Trichloroethene	109		101		70-130	8		30
1,2-Dichlorobenzene	102		96		70-130	6		30
1,3-Dichlorobenzene	104		96		70-130	8		30
1,4-Dichlorobenzene	100		94		70-130	6		30
Methyl tert butyl ether	103		93		66-130	10		30
p/m-Xylene	105		97		70-130	8		30
o-Xylene	104		96		70-130	8		30
cis-1,2-Dichloroethene	101		94		70-130	7		30
Dibromomethane	98		91		70-130	7		30
Styrene	105		98		70-130	7		30
Dichlorodifluoromethane	99		86		30-146	14		30
Acetone	**162**	Q	**156**	Q	54-140	4		30
Carbon disulfide	85		79		59-130	7		30
2-Butanone	96		86		70-130	11		30
Vinyl acetate	91		76		70-130	18		30
4-Methyl-2-pentanone	102		92		70-130	10		30
1,2,3-Trichloropropane	96		88		68-130	9		30
2-Hexanone	98		87		70-130	12		30
Bromochloromethane	101		95		70-130	6		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 33,39,41,43,45 Batch: WG1681662-3 WG1681662-4								
2,2-Dichloropropane	109		98		70-130	11		30
1,2-Dibromoethane	101		94		70-130	7		30
1,3-Dichloropropane	99		93		69-130	6		30
1,1,1,2-Tetrachloroethane	104		97		70-130	7		30
Bromobenzene	101		93		70-130	8		30
n-Butylbenzene	106		95		70-130	11		30
sec-Butylbenzene	104		94		70-130	10		30
tert-Butylbenzene	104		94		70-130	10		30
o-Chlorotoluene	98		91		70-130	7		30
p-Chlorotoluene	101		94		70-130	7		30
1,2-Dibromo-3-chloropropane	100		91		68-130	9		30
Hexachlorobutadiene	114		102		67-130	11		30
Isopropylbenzene	101		92		70-130	9		30
p-Isopropyltoluene	107		96		70-130	11		30
Naphthalene	99		90		70-130	10		30
Acrylonitrile	108		101		70-130	7		30
n-Propylbenzene	102		92		70-130	10		30
1,2,3-Trichlorobenzene	105		98		70-130	7		30
1,2,4-Trichlorobenzene	110		101		70-130	9		30
1,3,5-Trimethylbenzene	103		93		70-130	10		30
1,2,4-Trimethylbenzene	101		94		70-130	7		30
1,4-Dioxane	96		84		65-136	13		30
p-Diethylbenzene	106		97		70-130	9		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 33,39,41,43,45 Batch: WG1681662-3 WG1681662-4								
p-Ethyltoluene	103		93		70-130	10		30
1,2,4,5-Tetramethylbenzene	104		96		70-130	8		30
Ethyl ether	88		83		67-130	6		30
trans-1,4-Dichloro-2-butene	104		94		70-130	10		30

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

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 37 Batch: WG1681664-3 WG1681664-4								
Methylene chloride	98		95		70-130	3		30
1,1-Dichloroethane	103		96		70-130	7		30
Chloroform	99		91		70-130	8		30
Carbon tetrachloride	105		95		70-130	10		30
1,2-Dichloropropane	100		93		70-130	7		30
Dibromochloromethane	103		96		70-130	7		30
1,1,2-Trichloroethane	98		92		70-130	6		30
Tetrachloroethene	110		100		70-130	10		30
Chlorobenzene	102		96		70-130	6		30
Trichlorofluoromethane	93		83		70-139	11		30
1,2-Dichloroethane	96		89		70-130	8		30
1,1,1-Trichloroethane	106		96		70-130	10		30
Bromodichloromethane	99		92		70-130	7		30
trans-1,3-Dichloropropene	103		96		70-130	7		30
cis-1,3-Dichloropropene	104		97		70-130	7		30
1,1-Dichloropropene	106		96		70-130	10		30
Bromoform	99		90		70-130	10		30
1,1,2,2-Tetrachloroethane	92		81		70-130	13		30
Benzene	102		94		70-130	8		30
Toluene	99		91		70-130	8		30
Ethylbenzene	101		93		70-130	8		30
Chloromethane	106		97		52-130	9		30
Bromomethane	108		101		57-147	7		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 37 Batch: WG1681664-3 WG1681664-4								
Vinyl chloride	100		92		67-130	8		30
Chloroethane	94		85		50-151	10		30
1,1-Dichloroethene	91		84		65-135	8		30
trans-1,2-Dichloroethene	**152**	Q	100		70-130	**41**	Q	30
Trichloroethene	109		101		70-130	8		30
1,2-Dichlorobenzene	102		96		70-130	6		30
1,3-Dichlorobenzene	104		96		70-130	8		30
1,4-Dichlorobenzene	100		94		70-130	6		30
Methyl tert butyl ether	103		93		66-130	10		30
p/m-Xylene	105		97		70-130	8		30
o-Xylene	104		96		70-130	8		30
cis-1,2-Dichloroethene	101		94		70-130	7		30
Dibromomethane	98		91		70-130	7		30
Styrene	105		98		70-130	7		30
Dichlorodifluoromethane	99		86		30-146	14		30
Acetone	**162**	Q	**156**	Q	54-140	4		30
Carbon disulfide	85		79		59-130	7		30
2-Butanone	96		86		70-130	11		30
Vinyl acetate	91		76		70-130	18		30
4-Methyl-2-pentanone	102		92		70-130	10		30
1,2,3-Trichloropropane	96		88		68-130	9		30
2-Hexanone	98		87		70-130	12		30
Bromochloromethane	101		95		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 37 Batch: WG1681664-3 WG1681664-4								
2,2-Dichloropropane	109		98		70-130	11		30
1,2-Dibromoethane	101		94		70-130	7		30
1,3-Dichloropropane	99		93		69-130	6		30
1,1,1,2-Tetrachloroethane	104		97		70-130	7		30
Bromobenzene	101		93		70-130	8		30
n-Butylbenzene	106		95		70-130	11		30
sec-Butylbenzene	104		94		70-130	10		30
tert-Butylbenzene	104		94		70-130	10		30
o-Chlorotoluene	98		91		70-130	7		30
p-Chlorotoluene	101		94		70-130	7		30
1,2-Dibromo-3-chloropropane	100		91		68-130	9		30
Hexachlorobutadiene	114		102		67-130	11		30
Isopropylbenzene	101		92		70-130	9		30
p-Isopropyltoluene	107		96		70-130	11		30
Naphthalene	99		90		70-130	10		30
Acrylonitrile	108		101		70-130	7		30
n-Propylbenzene	102		92		70-130	10		30
1,2,3-Trichlorobenzene	105		98		70-130	7		30
1,2,4-Trichlorobenzene	110		101		70-130	9		30
1,3,5-Trimethylbenzene	103		93		70-130	10		30
1,2,4-Trimethylbenzene	101		94		70-130	7		30
1,4-Dioxane	96		84		65-136	13		30
p-Diethylbenzene	106		97		70-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 37 Batch: WG1681664-3 WG1681664-4								
p-Ethyltoluene	103		93		70-130	10		30
1,2,4,5-Tetramethylbenzene	104		96		70-130	8		30
Ethyl ether	88		83		67-130	6		30
trans-1,4-Dichloro-2-butene	104		94		70-130	10		30

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

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1681869-3 WG1681869-4								
Methylene chloride	74		74		70-130	0		30
1,1-Dichloroethane	71		71		70-130	0		30
Chloroform	**69**	Q	**69**	Q	70-130	0		30
Carbon tetrachloride	105		106		70-130	1		30
1,2-Dichloropropane	83		82		70-130	1		30
Dibromochloromethane	94		95		70-130	1		30
1,1,2-Trichloroethane	76		76		70-130	0		30
Tetrachloroethene	112		111		70-130	1		30
Chlorobenzene	90		89		70-130	1		30
Trichlorofluoromethane	89		88		70-139	1		30
1,2-Dichloroethane	77		77		70-130	0		30
1,1,1-Trichloroethane	92		92		70-130	0		30
Bromodichloromethane	83		83		70-130	0		30
trans-1,3-Dichloropropene	80		79		70-130	1		30
cis-1,3-Dichloropropene	82		82		70-130	0		30
1,1-Dichloropropene	89		89		70-130	0		30
Bromoform	94		94		70-130	0		30
1,1,2,2-Tetrachloroethane	84		82		70-130	2		30
Benzene	85		85		70-130	0		30
Toluene	88		88		70-130	0		30
Ethylbenzene	87		86		70-130	1		30
Chloromethane	77		75		52-130	3		30
Bromomethane	88		88		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1681869-3 WG1681869-4								
Vinyl chloride	82		82		67-130	0		30
Chloroethane	82		81		50-151	1		30
1,1-Dichloroethene	79		79		65-135	0		30
trans-1,2-Dichloroethene	79		78		70-130	1		30
Trichloroethene	97		98		70-130	1		30
1,2-Dichlorobenzene	94		94		70-130	0		30
1,3-Dichlorobenzene	97		98		70-130	1		30
1,4-Dichlorobenzene	95		96		70-130	1		30
Methyl tert butyl ether	95		95		66-130	0		30
p/m-Xylene	94		93		70-130	1		30
o-Xylene	90		90		70-130	0		30
cis-1,2-Dichloroethene	76		74		70-130	3		30
Dibromomethane	74		74		70-130	0		30
Styrene	90		90		70-130	0		30
Dichlorodifluoromethane	66		67		30-146	2		30
Acetone	82		82		54-140	0		30
Carbon disulfide	79		80		59-130	1		30
2-Butanone	**67**	Q	**69**	Q	70-130	3		30
Vinyl acetate	94		83		70-130	12		30
4-Methyl-2-pentanone	93		93		70-130	0		30
1,2,3-Trichloropropane	83		82		68-130	1		30
2-Hexanone	86		80		70-130	7		30
Bromochloromethane	81		81		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1681869-3 WG1681869-4								
2,2-Dichloropropane	83		83		70-130	0		30
1,2-Dibromoethane	82		82		70-130	0		30
1,3-Dichloropropane	85		86		69-130	1		30
1,1,1,2-Tetrachloroethane	99		98		70-130	1		30
Bromobenzene	98		98		70-130	0		30
n-Butylbenzene	87		87		70-130	0		30
sec-Butylbenzene	94		94		70-130	0		30
tert-Butylbenzene	101		101		70-130	0		30
o-Chlorotoluene	90		91		70-130	1		30
p-Chlorotoluene	88		88		70-130	0		30
1,2-Dibromo-3-chloropropane	97		97		68-130	0		30
Hexachlorobutadiene	97		96		67-130	1		30
Isopropylbenzene	99		100		70-130	1		30
p-Isopropyltoluene	101		101		70-130	0		30
Naphthalene	94		96		70-130	2		30
Acrylonitrile	78		75		70-130	4		30
n-Propylbenzene	92		93		70-130	1		30
1,2,3-Trichlorobenzene	92		93		70-130	1		30
1,2,4-Trichlorobenzene	95		95		70-130	0		30
1,3,5-Trimethylbenzene	94		94		70-130	0		30
1,2,4-Trimethylbenzene	91		92		70-130	1		30
1,4-Dioxane	90		90		65-136	0		30
p-Diethylbenzene	99		99		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 07 Batch: WG1681869-3 WG1681869-4								
p-Ethyltoluene	97		98		70-130	1		30
1,2,4,5-Tetramethylbenzene	92		92		70-130	0		30
Ethyl ether	76		76		67-130	0		30
trans-1,4-Dichloro-2-butene	89		92		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	80		81		70-130
Toluene-d8	97		97		70-130
4-Bromofluorobenzene	96		97		70-130
Dibromofluoromethane	80		81		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 35 Batch: WG1682181-3 WG1682181-4								
Methylene chloride	84		84		70-130	0		30
1,1-Dichloroethane	90		88		70-130	2		30
Chloroform	86		85		70-130	1		30
Carbon tetrachloride	88		86		70-130	2		30
1,2-Dichloropropane	90		92		70-130	2		30
Dibromochloromethane	88		89		70-130	1		30
1,1,2-Trichloroethane	87		87		70-130	0		30
Tetrachloroethene	91		90		70-130	1		30
Chlorobenzene	86		85		70-130	1		30
Trichlorofluoromethane	89		90		70-139	1		30
1,2-Dichloroethane	90		91		70-130	1		30
1,1,1-Trichloroethane	90		90		70-130	0		30
Bromodichloromethane	89		90		70-130	1		30
trans-1,3-Dichloropropene	88		89		70-130	1		30
cis-1,3-Dichloropropene	88		88		70-130	0		30
1,1-Dichloropropene	87		87		70-130	0		30
Bromoform	91		92		70-130	1		30
1,1,2,2-Tetrachloroethane	89		91		70-130	2		30
Benzene	86		85		70-130	1		30
Toluene	87		87		70-130	0		30
Ethylbenzene	85		84		70-130	1		30
Chloromethane	80		79		52-130	1		30
Bromomethane	102		101		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 35 Batch: WG1682181-3 WG1682181-4								
Vinyl chloride	102		101		67-130	1		30
Chloroethane	88		87		50-151	1		30
1,1-Dichloroethene	87		87		65-135	0		30
trans-1,2-Dichloroethene	87		86		70-130	1		30
Trichloroethene	89		88		70-130	1		30
1,2-Dichlorobenzene	89		89		70-130	0		30
1,3-Dichlorobenzene	89		89		70-130	0		30
1,4-Dichlorobenzene	89		90		70-130	1		30
Methyl tert butyl ether	92		92		66-130	0		30
p/m-Xylene	87		87		70-130	0		30
o-Xylene	87		87		70-130	0		30
cis-1,2-Dichloroethene	88		87		70-130	1		30
Dibromomethane	91		92		70-130	1		30
Styrene	88		88		70-130	0		30
Dichlorodifluoromethane	69		70		30-146	1		30
Acetone	91		88		54-140	3		30
Carbon disulfide	79		79		59-130	0		30
2-Butanone	89		89		70-130	0		30
Vinyl acetate	79		81		70-130	3		30
4-Methyl-2-pentanone	92		92		70-130	0		30
1,2,3-Trichloropropane	87		88		68-130	1		30
2-Hexanone	84		84		70-130	0		30
Bromochloromethane	93		92		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 35 Batch: WG1682181-3 WG1682181-4								
2,2-Dichloropropane	87		86		70-130	1		30
1,2-Dibromoethane	87		88		70-130	1		30
1,3-Dichloropropane	92		93		69-130	1		30
1,1,1,2-Tetrachloroethane	88		87		70-130	1		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	85		86		70-130	1		30
sec-Butylbenzene	84		85		70-130	1		30
tert-Butylbenzene	83		84		70-130	1		30
o-Chlorotoluene	82		81		70-130	1		30
p-Chlorotoluene	84		84		70-130	0		30
1,2-Dibromo-3-chloropropane	93		91		68-130	2		30
Hexachlorobutadiene	91		91		67-130	0		30
Isopropylbenzene	83		82		70-130	1		30
p-Isopropyltoluene	85		85		70-130	0		30
Naphthalene	91		92		70-130	1		30
Acrylonitrile	88		89		70-130	1		30
n-Propylbenzene	84		83		70-130	1		30
1,2,3-Trichlorobenzene	100		103		70-130	3		30
1,2,4-Trichlorobenzene	95		96		70-130	1		30
1,3,5-Trimethylbenzene	85		84		70-130	1		30
1,2,4-Trimethylbenzene	85		84		70-130	1		30
1,4-Dioxane	107		104		65-136	3		30
p-Diethylbenzene	86		86		70-130	0		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 35 Batch: WG1682181-3 WG1682181-4								
p-Ethyltoluene	85		84		70-130	1		30
1,2,4,5-Tetramethylbenzene	86		85		70-130	1		30
Ethyl ether	93		93		67-130	0		30
trans-1,4-Dichloro-2-butene	84		88		70-130	5		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		101		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	94		95		70-130
Dibromofluoromethane	101		100		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 29 Batch: WG1682388-3 WG1682388-4								
Methylene chloride	92		86		70-130	7		30
1,1-Dichloroethane	108		97		70-130	11		30
Chloroform	103		93		70-130	10		30
Carbon tetrachloride	106		92		70-130	14		30
1,2-Dichloropropane	104		97		70-130	7		30
Dibromochloromethane	100		95		70-130	5		30
1,1,2-Trichloroethane	103		99		70-130	4		30
Tetrachloroethene	103		91		70-130	12		30
Chlorobenzene	101		93		70-130	8		30
Trichlorofluoromethane	134		117		70-139	14		30
1,2-Dichloroethane	104		98		70-130	6		30
1,1,1-Trichloroethane	110		95		70-130	15		30
Bromodichloromethane	102		95		70-130	7		30
trans-1,3-Dichloropropene	104		99		70-130	5		30
cis-1,3-Dichloropropene	104		98		70-130	6		30
1,1-Dichloropropene	113		97		70-130	15		30
Bromoform	98		94		70-130	4		30
1,1,2,2-Tetrachloroethane	98		97		70-130	1		30
Benzene	104		94		70-130	10		30
Toluene	99		90		70-130	10		30
Ethylbenzene	105		95		70-130	10		30
Chloromethane	112		98		52-130	13		30
Bromomethane	140		126		57-147	11		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 29 Batch: WG1682388-3 WG1682388-4								
Vinyl chloride	130		110		67-130	17		30
Chloroethane	124		110		50-151	12		30
1,1-Dichloroethene	106		92		65-135	14		30
trans-1,2-Dichloroethene	103		91		70-130	12		30
Trichloroethene	107		96		70-130	11		30
1,2-Dichlorobenzene	101		95		70-130	6		30
1,3-Dichlorobenzene	102		95		70-130	7		30
1,4-Dichlorobenzene	101		95		70-130	6		30
Methyl tert butyl ether	100		96		66-130	4		30
p/m-Xylene	105		95		70-130	10		30
o-Xylene	104		96		70-130	8		30
cis-1,2-Dichloroethene	101		91		70-130	10		30
Dibromomethane	99		94		70-130	5		30
Styrene	102		95		70-130	7		30
Dichlorodifluoromethane	104		87		30-146	18		30
Acetone	98		96		54-140	2		30
Carbon disulfide	97		84		59-130	14		30
2-Butanone	111		102		70-130	8		30
Vinyl acetate	102		94		70-130	8		30
4-Methyl-2-pentanone	105		103		70-130	2		30
1,2,3-Trichloropropane	103		100		68-130	3		30
2-Hexanone	99		98		70-130	1		30
Bromochloromethane	96		90		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 29 Batch: WG1682388-3 WG1682388-4								
2,2-Dichloropropane	111		98		70-130	12		30
1,2-Dibromoethane	101		98		70-130	3		30
1,3-Dichloropropane	103		99		69-130	4		30
1,1,1,2-Tetrachloroethane	101		95		70-130	6		30
Bromobenzene	96		91		70-130	5		30
n-Butylbenzene	114		103		70-130	10		30
sec-Butylbenzene	110		98		70-130	12		30
tert-Butylbenzene	105		95		70-130	10		30
o-Chlorotoluene	117		108		70-130	8		30
p-Chlorotoluene	104		95		70-130	9		30
1,2-Dibromo-3-chloropropane	94		91		68-130	3		30
Hexachlorobutadiene	102		90		67-130	13		30
Isopropylbenzene	106		95		70-130	11		30
p-Isopropyltoluene	108		98		70-130	10		30
Naphthalene	100		96		70-130	4		30
Acrylonitrile	106		102		70-130	4		30
n-Propylbenzene	109		98		70-130	11		30
1,2,3-Trichlorobenzene	102		98		70-130	4		30
1,2,4-Trichlorobenzene	102		96		70-130	6		30
1,3,5-Trimethylbenzene	105		96		70-130	9		30
1,2,4-Trimethylbenzene	104		96		70-130	8		30
1,4-Dioxane	114		111		65-136	3		30
p-Diethylbenzene	108		98		70-130	10		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 29 Batch: WG1682388-3 WG1682388-4								
p-Ethyltoluene	105		96		70-130	9		30
1,2,4,5-Tetramethylbenzene	105		98		70-130	7		30
Ethyl ether	100		96		67-130	4		30
trans-1,4-Dichloro-2-butene	110		107		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	106		104		70-130
Toluene-d8	98		99		70-130
4-Bromofluorobenzene	95		94		70-130
Dibromofluoromethane	99		97		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 17,19,21,49 Batch: WG1682563-3 WG1682563-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	96		96		70-130	0		20
Chlorobenzene	98		98		75-130	0		25
1,2-Dichloroethane	100		100		70-130	0		20
Benzene	100		100		70-130	0		25
Vinyl chloride	100		100		55-140	0		20
1,1-Dichloroethene	100		99		61-145	1		25
Trichloroethene	100		100		70-130	0		25
1,4-Dichlorobenzene	97		97		70-130	0		20
2-Butanone	110		120		63-138	9		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		108		70-130
Toluene-d8	100		98		70-130
4-Bromofluorobenzene	96		98		70-130
dibromofluoromethane	102		101		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 07 QC Batch ID: WG1681869-8 WG1681869-9 QC Sample: L2246011-07 Client ID: SB-28 (9')												
Methylene chloride	ND	110	74	**67**	Q	76	70		70-130	3		30
1,1-Dichloroethane	ND	110	68	**62**	Q	71	**65**	Q	70-130	3		30
Chloroform	ND	110	65	**59**	Q	67	**61**	Q	70-130	3		30
Carbon tetrachloride	ND	110	100	94		110	102		70-130	7		30
1,2-Dichloropropane	ND	110	76	**69**	Q	79	73		70-130	4		30
Dibromochloromethane	ND	110	81	74		88	81		70-130	8		30
1,1,2-Trichloroethane	ND	110	65	**59**	Q	70	**65**	Q	70-130	7		30
Tetrachloroethene	1.2	110	93	83		110	97		70-130	13		30
Chlorobenzene	ND	110	73	**66**	Q	80	74		70-130	10		30
Trichlorofluoromethane	ND	110	89	81		96	88		70-139	7		30
1,2-Dichloroethane	ND	110	70	**64**	Q	72	**66**	Q	70-130	2		30
1,1,1-Trichloroethane	ND	110	91	83		95	88		70-130	4		30
Bromodichloromethane	ND	110	76	**69**	Q	81	74		70-130	6		30
trans-1,3-Dichloropropene	ND	110	66	**60**	Q	71	**65**	Q	70-130	7		30
cis-1,3-Dichloropropene	ND	110	72	**66**	Q	77	71		70-130	6		30
1,1-Dichloropropene	ND	110	84	76		89	82		70-130	6		30
Bromoform	ND	110	82	74		84	77		70-130	3		30
1,1,2,2-Tetrachloroethane	ND	110	73	**66**	Q	75	**69**	Q	70-130	2		30
Benzene	ND	110	80	73		84	78		70-130	5		30
Toluene	ND	110	75	**68**	Q	82	76		70-130	9		30
Ethylbenzene	ND	110	69	**62**	Q	78	72		70-130	13		30
Chloromethane	ND	110	80	72		82	76		52-130	3		30
Bromomethane	ND	110	95	86		96	88		57-147	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 07 QC Batch ID: WG1681869-8 WG1681869-9 QC Sample: L2246011-07 Client ID: SB-28 (9')												
Vinyl chloride	ND	110	78	71		89	82		67-130	13		30
Chloroethane	ND	110	89	81		90	83		50-151	2		30
1,1-Dichloroethene	ND	110	80	72		83	77		65-135	5		30
trans-1,2-Dichloroethene	ND	110	75	**68**	Q	78	72		70-130	4		30
Trichloroethene	ND	110	87	79		92	85		70-130	5		30
1,2-Dichlorobenzene	ND	110	68	**62**	Q	77	71		70-130	12		30
1,3-Dichlorobenzene	ND	110	67	**61**	Q	77	71		70-130	15		30
1,4-Dichlorobenzene	ND	110	65	**59**	Q	74	**68**	Q	70-130	14		30
Methyl tert butyl ether	ND	110	87	79		89	82		66-130	3		30
p/m-Xylene	ND	220	140	**64**	Q	160	75		70-130	13		30
o-Xylene	ND	220	140	**64**	Q	160	72		70-130	11		30
cis-1,2-Dichloroethene	ND	110	69	**63**	Q	72	**66**	Q	70-130	3		30
Dibromomethane	ND	110	67	**61**	Q	69	**64**	Q	70-130	3		30
Styrene	ND	220	140	**63**	Q	160	71		70-130	12		30
Dichlorodifluoromethane	ND	110	71	65		72	67		30-146	2		30
Acetone	56	110	63	**6**	Q	63	**6**	Q	54-140	1		30
Carbon disulfide	ND	110	82	74		86	80		59-130	5		30
2-Butanone	ND	110	61	**55**	Q	63	**58**	Q	70-130	3		30
Vinyl acetate	ND	110	51	**46**	Q	51	**47**	Q	70-130	0		30
4-Methyl-2-pentanone	ND	110	76	**69**	Q	80	74		70-130	5		30
1,2,3-Trichloropropane	ND	110	70	**64**	Q	72	**66**	Q	68-130	2		30
2-Hexanone	ND	110	72	**65**	Q	75	**69**	Q	70-130	4		30
Bromochloromethane	ND	110	75	**68**	Q	76	70		70-130	1		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 07 QC Batch ID: WG1681869-8 WG1681869-9 QC Sample: L2246011-07 Client ID: SB-28 (9')												
2,2-Dichloropropane	ND	110	82	74		84	77		70-130	2		30
1,2-Dibromoethane	ND	110	71	**64**	Q	76	70		70-130	7		30
1,3-Dichloropropane	ND	110	73	**66**	Q	78	72		69-130	7		30
1,1,1,2-Tetrachloroethane	ND	110	85	78		93	86		70-130	8		30
Bromobenzene	ND	110	75	**68**	Q	84	77		70-130	11		30
n-Butylbenzene	ND	110	52	**47**	Q	67	**62**	Q	70-130	26		30
sec-Butylbenzene	ND	110	65	**59**	Q	79	73		70-130	20		30
tert-Butylbenzene	ND	110	75	**68**	Q	89	82		70-130	17		30
o-Chlorotoluene	ND	110	74	**67**	Q	75	**69**	Q	70-130	2		30
p-Chlorotoluene	ND	110	61	**55**	Q	70	**64**	Q	70-130	14		30
1,2-Dibromo-3-chloropropane	ND	110	83	75		85	78		68-130	3		30
Hexachlorobutadiene	ND	110	55	**50**	Q	72	67		67-130	27		30
Isopropylbenzene	ND	110	75	**68**	Q	88	81		70-130	15		30
p-Isopropyltoluene	ND	110	66	**60**	Q	81	74		70-130	20		30
Naphthalene	ND	110	78	71		78	72		70-130	0		30
Acrylonitrile	ND	110	70	**63**	Q	69	**63**	Q	70-130	1		30
n-Propylbenzene	ND	110	64	**58**	Q	78	72		70-130	19		30
1,2,3-Trichlorobenzene	ND	110	62	**56**	Q	68	**62**	Q	70-130	9		30
1,2,4-Trichlorobenzene	ND	110	58	**53**	Q	66	**61**	Q	70-130	13		30
1,3,5-Trimethylbenzene	ND	110	66	**60**	Q	78	72		70-130	16		30
1,2,4-Trimethylbenzene	ND	110	64	**58**	Q	74	**68**	Q	70-130	15		30
1,4-Dioxane	ND	5500	4400	80		4500	82		65-136	1		30
p-Diethylbenzene	ND	110	60	**55**	Q	76	70		70-130	23		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 07 QC Batch ID: WG1681869-8 WG1681869-9 QC Sample: L2246011-07 Client ID: SB-28 (9')												
p-Ethyltoluene	ND	110	65	**59**	Q	78	72		70-130	18		30
1,2,4,5-Tetramethylbenzene	ND	110	60	**54**	Q	71	**65**	Q	70-130	17		30
Ethyl ether	ND	110	70	**64**	Q	72	**66**	Q	67-130	3		30
trans-1,4-Dichloro-2-butene	ND	110	74	**67**	Q	75	**69**	Q	70-130	1		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	82		81		70-130
4-Bromofluorobenzene	94		94		70-130
Dibromofluoromethane	82		81		70-130
Toluene-d8	94		97		70-130

SEMIVOLATILES

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-02
Client ID: SB-24 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 14:05
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 01:12
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-02 Date Collected: 08/24/22 14:05

Client ID: SB-24 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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	110		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	43	J	ug/kg	110	29.	1
Chrysene	110		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	38	J	ug/kg	110	35.	1
Benzo(ghi)perylene	67	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	60	J	ug/kg	140	25.	1
Pyrene	210		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-02 Date Collected: 08/24/22 14:05

Client ID: SB-24 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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						
Total TIC Compounds	570	J	ug/kg			1
Unknown	403	J	ug/kg			1
Unknown	167	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	54		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	81		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/30/22 21:09
Analyst: WR
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	39.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	38.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	58.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	37.	1
Fluoranthene	ND		ug/kg	130	25.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	33.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	37.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	620	200	1
Hexachloroethane	ND		ug/kg	170	35.	1
Isophorone	ND		ug/kg	200	28.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	32.	1
NDPA/DPA	ND		ug/kg	170	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	76.	1
Butyl benzyl phthalate	ND		ug/kg	220	55.	1
Di-n-butylphthalate	ND		ug/kg	220	41.	1
Di-n-octylphthalate	ND		ug/kg	220	74.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04 Date Collected: 08/24/22 14:10

Client ID: SB-24 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	220	20.	1
Dimethyl phthalate	ND		ug/kg	220	46.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	53.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	ND		ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	22.	1
Biphenyl	ND		ug/kg	500	28.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	42.	1
3-Nitroaniline	ND		ug/kg	220	41.	1
4-Nitroaniline	ND		ug/kg	220	90.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	27.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	41.	1
p-Chloro-m-cresol	ND		ug/kg	220	32.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	35.	1
2,4-Dimethylphenol	ND		ug/kg	220	72.	1
2-Nitrophenol	ND		ug/kg	470	82.	1
4-Nitrophenol	ND		ug/kg	300	89.	1
2,4-Dinitrophenol	ND		ug/kg	1000	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	570	100	1
Pentachlorophenol	ND		ug/kg	170	48.	1
Phenol	ND		ug/kg	220	33.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	34.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04 Date Collected: 08/24/22 14:10

Client ID: SB-24 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	220	42.	1
Benzoic Acid	ND		ug/kg	710	220	1
Benzyl Alcohol	ND		ug/kg	220	67.	1
Carbazole	ND		ug/kg	220	21.	1
1,4-Dioxane	ND		ug/kg	33	10.	1
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	77		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	81		30-120
2,4,6-Tribromophenol	87		10-136
4-Terphenyl-d14	91		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 05:10
Analyst: SG
Percent Solids: 75%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.031	J	ng/g	0.640	0.029	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.640	0.059	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.320	0.050	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.640	0.067	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.320	0.058	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.320	0.078	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.320	0.054	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.640	0.230	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.640	0.175	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.320	0.096	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.320	0.166	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.320	0.086	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.640	0.367	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.640	0.060	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.640	0.196	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.640	0.090	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.640	0.262	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.640	0.069	1
PFOA/PFOS, Total	ND		ng/g	0.320	0.054	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04 Date Collected: 08/24/22 14:10

Client ID: SB-24 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**60**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**55**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	74		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**58**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**61**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**73**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	58		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	85		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	80		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**64**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	64		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**7**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	70		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**8**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	37		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 19:48
Analyst: SG
Percent Solids: 75%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.640	0.125	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	115		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04 RE
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/22 08:06
Analyst: RS
Percent Solids: 75%

Extraction Method: ALPHA 23528
Extraction Date: 09/05/22 10:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	2.05	0.826	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	2.05	0.346	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**9**	Q	31-134
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**13**	Q	34-137

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 00:23
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

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	150	23.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	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	34.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	290		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	29.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	25.	1
Hexachlorocyclopentadiene	ND		ug/kg	490	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	43.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	58.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	160		ug/kg	100	19.	1
Benzo(a)pyrene	180		ug/kg	140	42.	1
Benzo(b)fluoranthene	220		ug/kg	100	29.	1
Benzo(k)fluoranthene	72	J	ug/kg	100	28.	1
Chrysene	160		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	26.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	110	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	120		ug/kg	100	21.	1
Dibenzo(a,h)anthracene	30	J	ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	100	J	ug/kg	140	24.	1
Pyrene	280		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	390	22.	1
4-Chloroaniline	ND		ug/kg	170	31.	1
2-Nitroaniline	ND		ug/kg	170	33.	1
3-Nitroaniline	ND		ug/kg	170	32.	1
4-Nitroaniline	ND		ug/kg	170	71.	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	150	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	57.	1
2-Nitrophenol	ND		ug/kg	370	65.	1
4-Nitrophenol	ND		ug/kg	240	70.	1
2,4-Dinitrophenol	ND		ug/kg	830	80.	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1-3') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	170	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	7.9	1
Tentatively Identified Compounds						
Total TIC Compounds	521	J	ug/kg			1
Tetrachloroethene	521	NJ	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	87		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	94		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 05:27
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.470	0.021	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.470	0.043	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.235	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.470	0.049	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.235	0.042	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.235	0.057	1
Perfluorooctanoic Acid (PFOA)	0.154	J	ng/g	0.235	0.039	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.470	0.169	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.470	0.128	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.235	0.070	1
Perfluorooctanesulfonic Acid (PFOS)	0.156	J	ng/g	0.235	0.122	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.235	0.063	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.470	0.270	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.470	0.189	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.470	0.044	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.470	0.144	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.470	0.079	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.470	0.066	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.470	0.192	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.470	0.051	1
PFOA/PFOS, Total	0.310	J	ng/g	0.235	0.039	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1-3') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	73		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	77		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**25**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	87		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**32**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	41		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 19:55
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.470	0.092	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**118**	Q	10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 16:46
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 02:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08 Date Collected: 08/24/22 14:35

Client ID: SB-28 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	ND		ug/kg	100	20.	1
Benzo(a)pyrene	ND		ug/kg	140	43.	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	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08 Date Collected: 08/24/22 14:35

Client ID: SB-28 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	54.	1
Carbazole	ND		ug/kg	170	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	70		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	59		23-120
2-Fluorobiphenyl	68		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	69		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 05:44
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.477	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.477	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.238	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.477	0.050	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.238	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.238	0.058	1
Perfluorooctanoic Acid (PFOA)	0.102	J	ng/g	0.238	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.477	0.171	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.477	0.130	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.238	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	0.191	J	ng/g	0.238	0.124	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.238	0.064	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.477	0.274	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.477	0.192	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.477	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.477	0.146	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.477	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.477	0.067	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.477	0.195	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.477	0.052	1
PFOA/PFOS, Total	0.293	J	ng/g	0.238	0.040	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08 Date Collected: 08/24/22 14:35

Client ID: SB-28 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	82		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	75		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	78		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	75		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	90		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**12**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**16**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	38		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 20:53
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.477	0.094	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 17:10
Analyst: IM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 02:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	1300		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	7900	E	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	550		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	3800		ug/kg	110	20.	1
Benzo(a)pyrene	3500		ug/kg	140	44.	1
Benzo(b)fluoranthene	3800		ug/kg	110	30.	1
Benzo(k)fluoranthene	1100		ug/kg	110	29.	1
Chrysene	3500		ug/kg	110	19.	1
Acenaphthylene	400		ug/kg	140	28.	1
Anthracene	2000		ug/kg	110	35.	1
Benzo(ghi)perylene	2000		ug/kg	140	21.	1
Fluorene	1100		ug/kg	180	17.	1
Phenanthrene	8300	E	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	390		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	140	25.	1
Pyrene	8200	E	ug/kg	110	18.	1
Biphenyl	120	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	74.	1
Dibenzofuran	530		ug/kg	180	17.	1
2-Methylnaphthalene	410		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	29	J	ug/kg	260	28.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	580		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.3	1
Tentatively Identified Compounds						
Total TIC Compounds	15300	J	ug/kg			1
Unknown PAH	606	J	ug/kg			1
Unknown	670	J	ug/kg			1
Unknown PAH	843	J	ug/kg			1
Unknown PAH	964	J	ug/kg			1
Unknown PAH	1130	J	ug/kg			1
Unknown	1660	J	ug/kg			1
Unknown PAH	638	J	ug/kg			1
Unknown	963	J	ug/kg			1
Unknown PAH	1260	J	ug/kg			1
Unknown Thiophene	772	J	ug/kg			1
Unknown PAH	608	J	ug/kg			1
Unknown PAH	637	J	ug/kg			1
Unknown PAH	1160	J	ug/kg			1
Unknown	1070	J	ug/kg			1
Unknown PAH	2290	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	69		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	71		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 06:50
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.504	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.504	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.252	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.504	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.252	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.252	0.061	1
Perfluorooctanoic Acid (PFOA)	0.094	J	ng/g	0.252	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.504	0.181	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.504	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.252	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.132	J	ng/g	0.252	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.252	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.504	0.289	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.504	0.203	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.504	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.504	0.154	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.504	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.504	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.504	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.504	0.206	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.504	0.054	1
PFOA/PFOS, Total	0.226	J	ng/g	0.252	0.042	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1-3') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	82		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	88		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	79		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	111		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	96		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	48		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 D
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/31/22 18:52
Analyst: IM
Percent Solids: 91%

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 08/31/22 02:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	8400		ug/kg	540	100	5
Phenanthrene	9200		ug/kg	540	110	5
Pyrene	8800		ug/kg	540	89.	5

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-12
Client ID: SB-26 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 15:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 09:59
Analyst: IM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 04:54

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	32	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-12 Date Collected: 08/24/22 15:15

Client ID: SB-26 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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	33	J	ug/kg	100	30.	1
Benzo(k)fluoranthene	ND		ug/kg	100	28.	1
Chrysene	24	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	21.	1
Fluorene	ND		ug/kg	180	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	30	J	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	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	27.	1
2-Methylphenol	ND		ug/kg	180	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	28.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-12 Date Collected: 08/24/22 15:15

Client ID: SB-26 (4-7') Date Received: 08/24/22

Sample Location: Not Specified 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
Tentatively Identified Compounds						
Total TIC Compounds	757	J	ug/kg			1
Unknown	372	J	ug/kg			1
Unknown	385	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	89		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	69		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	91		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:19
Analyst: WR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	ND		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	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	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14 Date Collected: 08/24/22 15:20

Client ID: SB-26 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	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	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	81.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14 Date Collected: 08/24/22 15:20

Client ID: SB-26 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	170	33.	1
Benzoic Acid	ND		ug/kg	560	180	1
Benzyl Alcohol	ND		ug/kg	170	53.	1
Carbazole	ND		ug/kg	170	17.	1
1,4-Dioxane	ND		ug/kg	26	8.0	1
Tentatively Identified Compounds						
Total TIC Compounds	170	J	ug/kg			1
Unknown Amide	170	J	ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	84		10-136
4-Terphenyl-d14	86		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 07:07
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.504	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.504	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.252	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.504	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.252	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.252	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.252	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.504	0.181	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.504	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.252	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.252	0.131	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.252	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.504	0.290	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.504	0.203	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.504	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.504	0.154	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.504	0.085	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.504	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.504	0.206	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.504	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.252	0.042	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14 Date Collected: 08/24/22 15:20

Client ID: SB-26 (8-10') Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	70		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	77		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	75		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**22**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	82		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**31**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	79		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	34		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 21:00
Analyst: SG
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.504	0.099	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	107		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:51
Analyst: WR
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:29

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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified 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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified 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	81		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	88		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 20:47
Analyst: RS
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.518	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.518	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.259	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.518	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.259	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.259	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.259	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.518	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.518	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.259	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.259	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.259	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.518	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.518	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.518	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.518	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.518	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.518	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.518	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.518	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.259	0.043	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**72**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	71		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	81		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	82		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	79		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	70		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**21**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	89		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**26**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	91		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/11/22 10:23
Analyst: SG
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.518	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 21:03
Analyst: RS
Percent Solids: 80%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.543	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.543	0.050	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.272	0.042	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.543	0.057	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.272	0.049	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.272	0.066	1
Perfluorooctanoic Acid (PFOA)	0.111	J	ng/g	0.272	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.543	0.195	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.543	0.148	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.272	0.082	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.272	0.141	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.272	0.073	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.543	0.312	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.543	0.219	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.543	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.543	0.166	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.543	0.106	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.543	0.092	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.543	0.076	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.543	0.222	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.543	0.059	1
PFOA/PFOS, Total	0.111	J	ng/g	0.272	0.046	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 Date Collected: 08/25/22 08:45

Client ID: SB-25 (1-3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	98		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	78		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	54		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	59		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	113		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 D
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 16:10
Analyst: SZ
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 02:01

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	3800		ug/kg	1600	210	10
1,2,4-Trichlorobenzene	ND		ug/kg	2000	230	10
Hexachlorobenzene	ND		ug/kg	1200	230	10
Bis(2-chloroethyl)ether	ND		ug/kg	1800	280	10
2-Chloronaphthalene	ND		ug/kg	2000	200	10
1,2-Dichlorobenzene	ND		ug/kg	2000	370	10
1,3-Dichlorobenzene	ND		ug/kg	2000	350	10
1,4-Dichlorobenzene	ND		ug/kg	2000	360	10
3,3'-Dichlorobenzidine	ND		ug/kg	2000	540	10
2,4-Dinitrotoluene	ND		ug/kg	2000	410	10
2,6-Dinitrotoluene	ND		ug/kg	2000	350	10
Fluoranthene	29000		ug/kg	1200	240	10
4-Chlorophenyl phenyl ether	ND		ug/kg	2000	220	10
4-Bromophenyl phenyl ether	ND		ug/kg	2000	310	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2500	350	10
Bis(2-chloroethoxy)methane	ND		ug/kg	2200	200	10
Hexachlorobutadiene	ND		ug/kg	2000	300	10
Hexachlorocyclopentadiene	ND		ug/kg	5900	1800	10
Hexachloroethane	ND		ug/kg	1600	330	10
Isophorone	ND		ug/kg	1800	270	10
Naphthalene	860	J	ug/kg	2000	250	10
Nitrobenzene	ND		ug/kg	1800	300	10
NDPA/DPA	ND		ug/kg	1600	230	10
n-Nitrosodi-n-propylamine	ND		ug/kg	2000	320	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	2000	710	10
Butyl benzyl phthalate	ND		ug/kg	2000	520	10
Di-n-butylphthalate	ND		ug/kg	2000	390	10
Di-n-octylphthalate	ND		ug/kg	2000	700	10

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 D Date Collected: 08/25/22 08:45

Client ID: SB-25 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	2000	190	10
Dimethyl phthalate	ND		ug/kg	2000	430	10
Benzo(a)anthracene	17000		ug/kg	1200	230	10
Benzo(a)pyrene	13000		ug/kg	1600	500	10
Benzo(b)fluoranthene	14000		ug/kg	1200	340	10
Benzo(k)fluoranthene	4100		ug/kg	1200	330	10
Chrysene	16000		ug/kg	1200	210	10
Acenaphthylene	570	J	ug/kg	1600	320	10
Anthracene	9100		ug/kg	1200	400	10
Benzo(ghi)perylene	5700		ug/kg	1600	240	10
Fluorene	5000		ug/kg	2000	200	10
Phenanthrene	38000		ug/kg	1200	250	10
Dibenzo(a,h)anthracene	1400		ug/kg	1200	240	10
Indeno(1,2,3-cd)pyrene	6800		ug/kg	1600	290	10
Pyrene	31000		ug/kg	1200	200	10
Biphenyl	370	J	ug/kg	4700	270	10
4-Chloroaniline	ND		ug/kg	2000	370	10
2-Nitroaniline	ND		ug/kg	2000	400	10
3-Nitroaniline	ND		ug/kg	2000	390	10
4-Nitroaniline	ND		ug/kg	2000	850	10
Dibenzofuran	2100		ug/kg	2000	190	10
2-Methylnaphthalene	1000	J	ug/kg	2500	250	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	2000	210	10
Acetophenone	ND		ug/kg	2000	250	10
2,4,6-Trichlorophenol	ND		ug/kg	1200	390	10
p-Chloro-m-cresol	ND		ug/kg	2000	300	10
2-Chlorophenol	ND		ug/kg	2000	240	10
2,4-Dichlorophenol	ND		ug/kg	1800	330	10
2,4-Dimethylphenol	ND		ug/kg	2000	680	10
2-Nitrophenol	ND		ug/kg	4400	770	10
4-Nitrophenol	ND		ug/kg	2900	840	10
2,4-Dinitrophenol	ND		ug/kg	9800	960	10
4,6-Dinitro-o-cresol	ND		ug/kg	5300	980	10
Pentachlorophenol	ND		ug/kg	1600	450	10
Phenol	ND		ug/kg	2000	310	10
2-Methylphenol	ND		ug/kg	2000	320	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	3000	320	10

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 D Date Collected: 08/25/22 08:45

Client ID: SB-25 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	2000	390	10
Benzoic Acid	ND		ug/kg	6600	2100	10
Benzyl Alcohol	ND		ug/kg	2000	630	10
Carbazole	1100	J	ug/kg	2000	200	10
1,4-Dioxane	ND		ug/kg	310	94.	10
Tentatively Identified Compounds						
Total TIC Compounds	81400	J	ug/kg			10
Unknown	6160	J	ug/kg			10
Unknown PAH	4800	J	ug/kg			10
Unknown PAH	6070	J	ug/kg			10
Unknown	3160	J	ug/kg			10
Unknown PAH	2710	J	ug/kg			10
Unknown PAH	7710	J	ug/kg			10
Unknown PAH	9160	J	ug/kg			10
Unknown PAH	5130	J	ug/kg			10
Unknown PAH	2540	J	ug/kg			10
Unknown PAH	2790	J	ug/kg			10
Unknown PAH	3090	J	ug/kg			10
Unknown PAH	3470	J	ug/kg			10
Unknown	9150	J	ug/kg			10
Unknown PAH	11600	J	ug/kg			10
Unknown PAH	3840	J	ug/kg			10

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 D
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
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	62		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	57		23-120
2-Fluorobiphenyl	59		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	60		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-26
Client ID: SB-25 (4-7')
Sample Location: Not Specified

Date Collected: 08/25/22 08:50
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/02/22 18:29
Analyst: CMM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 15:34

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	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	250		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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-26 Date Collected: 08/25/22 08:50

Client ID: SB-25 (4-7') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	160		ug/kg	110	20.	1
Benzo(a)pyrene	140		ug/kg	140	44.	1
Benzo(b)fluoranthene	130		ug/kg	110	30.	1
Benzo(k)fluoranthene	44	J	ug/kg	110	29.	1
Chrysene	160		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	66	J	ug/kg	110	35.	1
Benzo(ghi)perylene	65	J	ug/kg	140	21.	1
Fluorene	31	J	ug/kg	180	17.	1
Phenanthrene	240		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	80	J	ug/kg	140	25.	1
Pyrene	280		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-26 Date Collected: 08/25/22 08:50

Client ID: SB-25 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	18	J	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	80		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	73		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	94		10-136
4-Terphenyl-d14	74		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 10:48
Analyst: IM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	22	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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28 Date Collected: 08/25/22 08:55

Client ID: SB-25 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	39	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	24	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	24.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	35.	1
4-Nitroaniline	ND		ug/kg	190	77.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	19.	1
Acetophenone	ND		ug/kg	190	23.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	400	70.	1
4-Nitrophenol	ND		ug/kg	260	76.	1
2,4-Dinitrophenol	ND		ug/kg	900	87.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	90.	1
Pentachlorophenol	ND		ug/kg	150	41.	1
Phenol	ND		ug/kg	190	28.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	29.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28 Date Collected: 08/25/22 08:55

Client ID: SB-25 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	91		25-120
Phenol-d6	92		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	98		10-136
4-Terphenyl-d14	93		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 21:20
Analyst: RS
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.509	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.509	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.254	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.509	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.254	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.254	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.254	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.509	0.183	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.509	0.139	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.254	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.254	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.254	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.509	0.292	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.509	0.205	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.509	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.509	0.156	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.509	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.509	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.509	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.509	0.055	1
PFOA/PFOS, Total	ND		ng/g	0.254	0.043	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28 Date Collected: 08/25/22 08:55

Client ID: SB-25 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	79		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	72		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	88		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	74		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	81		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/11/22 12:24
Analyst: SG
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.509	0.100	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	91		10-117

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 11:12
Analyst: IM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	30	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	30.	1
Fluoranthene	610		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	31	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	60.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30 Date Collected: 08/25/22 10:20

Client ID: SB-17 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	360		ug/kg	110	20.	1
Benzo(a)pyrene	380		ug/kg	140	43.	1
Benzo(b)fluoranthene	440		ug/kg	110	30.	1
Benzo(k)fluoranthene	140		ug/kg	110	28.	1
Chrysene	370		ug/kg	110	18.	1
Acenaphthylene	100	J	ug/kg	140	28.	1
Anthracene	90	J	ug/kg	110	35.	1
Benzo(ghi)perylene	290		ug/kg	140	21.	1
Fluorene	28	J	ug/kg	180	17.	1
Phenanthrene	340		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	58	J	ug/kg	110	20.	1
Indeno(1,2,3-cd)pyrene	270		ug/kg	140	25.	1
Pyrene	580		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	19	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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30 Date Collected: 08/25/22 10:20

Client ID: SB-17 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	50	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	97		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	98		30-120
2,4,6-Tribromophenol	100		10-136
4-Terphenyl-d14	91		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 21:37
Analyst: RS
Percent Solids: 92%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.478	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.478	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.239	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.478	0.050	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.239	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.239	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.239	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.478	0.172	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.478	0.130	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.239	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.239	0.124	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.239	0.064	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.478	0.274	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.478	0.193	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.478	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.478	0.146	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.478	0.094	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.478	0.081	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.478	0.067	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.478	0.196	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.478	0.052	1
PFOA/PFOS, Total	ND		ng/g	0.239	0.040	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30 Date Collected: 08/25/22 10:20

Client ID: SB-17 (1-3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	84		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	89		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	43		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	23		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		24-159

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-32
Client ID: SB-17 (4-5')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 11:36
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

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	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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-32 Date Collected: 08/25/22 10:25

Client ID: SB-17 (4-5') Date Received: 08/25/22

Sample Location: Not Specified 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	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	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-32 Date Collected: 08/25/22 10:25

Client ID: SB-17 (4-5') Date Received: 08/25/22

Sample Location: Not Specified 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						
No Tentatively Identified Compounds	ND		ug/kg			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	95		25-120
Phenol-d6	93		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	102		10-136
4-Terphenyl-d14	88		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:00
Analyst: IM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	170	20.	1
Hexachlorobenzene	ND		ug/kg	100	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	170	17.	1
1,2-Dichlorobenzene	ND		ug/kg	170	31.	1
1,3-Dichlorobenzene	ND		ug/kg	170	30.	1
1,4-Dichlorobenzene	ND		ug/kg	170	30.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	46.	1
2,4-Dinitrotoluene	ND		ug/kg	170	35.	1
2,6-Dinitrotoluene	ND		ug/kg	170	30.	1
Fluoranthene	200		ug/kg	100	20.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	210	30.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	170	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	500	160	1
Hexachloroethane	ND		ug/kg	140	28.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	ND		ug/kg	170	21.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	27.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	60.	1
Butyl benzyl phthalate	ND		ug/kg	170	44.	1
Di-n-butylphthalate	ND		ug/kg	170	33.	1
Di-n-octylphthalate	ND		ug/kg	170	59.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	170	16.	1
Dimethyl phthalate	ND		ug/kg	170	37.	1
Benzo(a)anthracene	130		ug/kg	100	20.	1
Benzo(a)pyrene	120	J	ug/kg	140	43.	1
Benzo(b)fluoranthene	150		ug/kg	100	29.	1
Benzo(k)fluoranthene	46	J	ug/kg	100	28.	1
Chrysene	120		ug/kg	100	18.	1
Acenaphthylene	ND		ug/kg	140	27.	1
Anthracene	ND		ug/kg	100	34.	1
Benzo(ghi)perylene	85	J	ug/kg	140	20.	1
Fluorene	ND		ug/kg	170	17.	1
Phenanthrene	95	J	ug/kg	100	21.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	20.	1
Indeno(1,2,3-cd)pyrene	89	J	ug/kg	140	24.	1
Pyrene	210		ug/kg	100	17.	1
Biphenyl	ND		ug/kg	400	23.	1
4-Chloroaniline	ND		ug/kg	170	32.	1
2-Nitroaniline	ND		ug/kg	170	34.	1
3-Nitroaniline	ND		ug/kg	170	33.	1
4-Nitroaniline	ND		ug/kg	170	72.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	210	21.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	18.	1
Acetophenone	ND		ug/kg	170	22.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	33.	1
p-Chloro-m-cresol	ND		ug/kg	170	26.	1
2-Chlorophenol	ND		ug/kg	170	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	28.	1
2,4-Dimethylphenol	ND		ug/kg	170	58.	1
2-Nitrophenol	ND		ug/kg	380	66.	1
4-Nitrophenol	ND		ug/kg	240	71.	1
2,4-Dinitrophenol	ND		ug/kg	840	82.	1
4,6-Dinitro-o-cresol	ND		ug/kg	450	84.	1
Pentachlorophenol	ND		ug/kg	140	38.	1
Phenol	ND		ug/kg	170	26.	1
2-Methylphenol	ND		ug/kg	170	27.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	250	27.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	34.	1
Benzoic Acid	ND		ug/kg	570	180	1
Benzyl Alcohol	ND		ug/kg	170	54.	1
Carbazole	ND		ug/kg	170	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	98		25-120
Phenol-d6	99		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	94		30-120
2,4,6-Tribromophenol	106		10-136
4-Terphenyl-d14	97		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 22:10
Analyst: RS
Percent Solids: 94%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.483	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.483	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.242	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.483	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.242	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.242	0.058	1
Perfluorooctanoic Acid (PFOA)	0.108	JF	ng/g	0.242	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.483	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.483	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.242	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.242	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.242	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.483	0.277	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.483	0.195	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.483	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.483	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.483	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.483	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.483	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.483	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.483	0.052	1
PFOA/PFOS, Total	0.108	J	ng/g	0.242	0.041	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	76		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	80		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	86		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	86		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	85		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	65		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**19**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	13		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**21**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		24-159

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:24
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	940		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	6800		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	2700		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	3000		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 Date Collected: 08/25/22 11:05

Client ID: SB-19 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	3600		ug/kg	110	20.	1
Benzo(a)pyrene	3700		ug/kg	140	44.	1
Benzo(b)fluoranthene	5000		ug/kg	110	30.	1
Benzo(k)fluoranthene	1300		ug/kg	110	29.	1
Chrysene	3800		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	1100		ug/kg	110	35.	1
Benzo(ghi)perylene	2400		ug/kg	140	21.	1
Fluorene	1600		ug/kg	180	17.	1
Phenanthrene	5700		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	530		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	2800		ug/kg	140	25.	1
Pyrene	6900		ug/kg	110	18.	1
Biphenyl	1500		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	12000	E	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	470	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	290		ug/kg	260	28.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 Date Collected: 08/25/22 11:05

Client ID: SB-19 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	430		ug/kg	180	17.	1
1,4-Dioxane	ND		ug/kg	27	8.2	1
Tentatively Identified Compounds						
Total TIC Compounds	57900	J	ug/kg			1
Unknown Naphthalene	3960	J	ug/kg			1
Unknown	3980	J	ug/kg			1
Unknown	2400	J	ug/kg			1
Unknown Naphthalene	2690	J	ug/kg			1
Unknown Alkane	2420	J	ug/kg			1
Unknown Alkane	4000	J	ug/kg			1
Unknown Naphthalene	2220	J	ug/kg			1
Unknown Naphthalene	4200	J	ug/kg			1
Unknown PAH	2380	J	ug/kg			1
Unknown Naphthalene	5050	J	ug/kg			1
Unknown	3040	J	ug/kg			1
Unknown Alkane	3130	J	ug/kg			1
Unknown Alkane	3940	J	ug/kg			1
Unknown	3010	J	ug/kg			1
Unknown Alkane	11500	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 Date Collected: 08/25/22 11:05

Client ID: SB-19 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	64		25-120
Phenol-d6	64		10-120
Nitrobenzene-d5	79		23-120
2-Fluorobiphenyl	70		30-120
2,4,6-Tribromophenol	59		10-136
4-Terphenyl-d14	70		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 22:26
Analyst: RS
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.521	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.521	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.521	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.521	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.521	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.188	J	ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.521	0.299	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.521	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.521	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.521	0.159	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.521	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	3.56		ng/g	0.521	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.521	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.521	0.213	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.521	0.056	1
PFOA/PFOS, Total	0.188	J	ng/g	0.260	0.044	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 Date Collected: 08/25/22 11:05

Client ID: SB-19 (1-3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	88		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	72		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**188**	Q	20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	92		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	**232**	Q	19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	39		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	80		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	62		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	40		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 D
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 17:13
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2-Methylnaphthalene	15000		ug/kg	1100	110	5

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38
Client ID: SB-19 (4-7')
Sample Location: Not Specified

Date Collected: 08/25/22 11:10
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 12:48
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	320		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	1500		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	420		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	660		ug/kg	110	21.	1
Benzo(a)pyrene	520		ug/kg	150	45.	1
Benzo(b)fluoranthene	680		ug/kg	110	31.	1
Benzo(k)fluoranthene	250		ug/kg	110	29.	1
Chrysene	670		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	220		ug/kg	110	36.	1
Benzo(ghi)perylene	340		ug/kg	150	22.	1
Fluorene	560		ug/kg	180	18.	1
Phenanthrene	1600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	74	J	ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	370		ug/kg	150	26.	1
Pyrene	1400		ug/kg	110	18.	1
Biphenyl	400	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	340		ug/kg	180	17.	1
2-Methylnaphthalene	3200		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	210		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	32	J	ug/kg	260	29.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	87	J	ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	44900	J	ug/kg			1
Unknown	1720	J	ug/kg			1
Unknown Alkane	1860	J	ug/kg			1
Unknown Naphthalene	1720	J	ug/kg			1
Unknown Alkane	2690	J	ug/kg			1
Unknown Alkane	2800	J	ug/kg			1
Unknown Alkane	3890	J	ug/kg			1
Unknown	1680	J	ug/kg			1
Unknown Alkane	2240	J	ug/kg			1
Unknown Alkane	7730	J	ug/kg			1
Unknown Naphthalene	2350	J	ug/kg			1
Unknown Naphthalene	2490	J	ug/kg			1
Unknown Alkane	5690	J	ug/kg			1
Unknown Naphthalene	3090	J	ug/kg			1
Unknown Naphthalene	3240	J	ug/kg			1
Unknown PAH	1680	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38 Date Collected: 08/25/22 11:10

Client ID: SB-19 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	86		25-120
Phenol-d6	85		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	79		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 13:12
Analyst: IM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

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	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Fluoranthene	36	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	180		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	32	J	ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	26	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	20	J	ug/kg	180	18.	1
Phenanthrene	45	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	52	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	50	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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
1,4-Dioxane	ND		ug/kg	27	8.4	1
Tentatively Identified Compounds						
Total TIC Compounds	4960	J	ug/kg			1
Unknown Alkane	153	J	ug/kg			1
Unknown	277	J	ug/kg			1
Unknown Alkane	1040	J	ug/kg			1
Unknown Naphthalene	187	J	ug/kg			1
Unknown	150	J	ug/kg			1
Unknown	378	J	ug/kg			1
Unknown Alkane	770	J	ug/kg			1
Unknown Phenol	268	J	ug/kg			1
Unknown	300	J	ug/kg			1
Unknown Alkane	328	J	ug/kg			1
Unknown Naphthalene	217	J	ug/kg			1
Unknown Alkane	277	J	ug/kg			1
Unknown Naphthalene	156	J	ug/kg			1
Unknown Alkane	288	J	ug/kg			1
Unknown	168	J	ug/kg			1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	88		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	92		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	85		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 22:43
Analyst: RS
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.520	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.520	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.260	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.520	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.260	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.260	0.063	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.260	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.520	0.187	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.520	0.142	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.260	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.260	0.135	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.260	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.520	0.298	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.520	0.209	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.520	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.520	0.159	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.520	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.520	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.520	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.520	0.056	1
PFOA/PFOS, Total	ND		ng/g	0.260	0.044	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**72**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**59**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**67**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**74**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	71		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	73		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	86		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	78		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**13**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**17**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/11/22 12:31
Analyst: SG
Percent Solids: 90%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.520	0.102	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	103		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 22:59
Analyst: RS
Percent Solids: 93%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.486	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.486	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.243	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.486	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.243	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.243	0.059	1
Perfluorooctanoic Acid (PFOA)	0.238	JF	ng/g	0.243	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.486	0.174	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.486	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.243	0.073	1
Perfluorooctanesulfonic Acid (PFOS)	0.808		ng/g	0.243	0.126	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.243	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.486	0.279	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.486	0.196	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.486	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.486	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.486	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.486	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.486	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.486	0.198	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.486	0.052	1
PFOA/PFOS, Total	1.05	J	ng/g	0.243	0.041	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 Date Collected: 08/25/22 11:55

Client ID: SB-29 (1-3') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	101		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64		10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	55		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	94		24-159

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 D
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 16:49
Analyst: JG
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	1400	180	10
1,2,4-Trichlorobenzene	ND		ug/kg	1700	200	10
Hexachlorobenzene	ND		ug/kg	1000	190	10
Bis(2-chloroethyl)ether	ND		ug/kg	1600	240	10
2-Chloronaphthalene	ND		ug/kg	1700	170	10
1,2-Dichlorobenzene	ND		ug/kg	1700	310	10
1,3-Dichlorobenzene	ND		ug/kg	1700	300	10
1,4-Dichlorobenzene	ND		ug/kg	1700	300	10
3,3'-Dichlorobenzidine	ND		ug/kg	1700	460	10
2,4-Dinitrotoluene	ND		ug/kg	1700	350	10
2,6-Dinitrotoluene	ND		ug/kg	1700	300	10
Fluoranthene	600	J	ug/kg	1000	200	10
4-Chlorophenyl phenyl ether	ND		ug/kg	1700	180	10
4-Bromophenyl phenyl ether	ND		ug/kg	1700	260	10
Bis(2-chloroisopropyl)ether	ND		ug/kg	2100	300	10
Bis(2-chloroethoxy)methane	ND		ug/kg	1900	170	10
Hexachlorobutadiene	ND		ug/kg	1700	250	10
Hexachlorocyclopentadiene	ND		ug/kg	5000	1600	10
Hexachloroethane	ND		ug/kg	1400	280	10
Isophorone	ND		ug/kg	1600	220	10
Naphthalene	ND		ug/kg	1700	210	10
Nitrobenzene	ND		ug/kg	1600	260	10
NDPA/DPA	ND		ug/kg	1400	200	10
n-Nitrosodi-n-propylamine	ND		ug/kg	1700	270	10
Bis(2-ethylhexyl)phthalate	ND		ug/kg	1700	600	10
Butyl benzyl phthalate	ND		ug/kg	1700	440	10
Di-n-butylphthalate	ND		ug/kg	1700	330	10
Di-n-octylphthalate	ND		ug/kg	1700	590	10

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 D
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
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	1700	160	10
Dimethyl phthalate	ND		ug/kg	1700	360	10
Benzo(a)anthracene	420	J	ug/kg	1000	200	10
Benzo(a)pyrene	440	J	ug/kg	1400	420	10
Benzo(b)fluoranthene	470	J	ug/kg	1000	290	10
Benzo(k)fluoranthene	ND		ug/kg	1000	280	10
Chrysene	420	J	ug/kg	1000	180	10
Acenaphthylene	ND		ug/kg	1400	270	10
Anthracene	ND		ug/kg	1000	340	10
Benzo(ghi)perylene	370	J	ug/kg	1400	200	10
Fluorene	ND		ug/kg	1700	170	10
Phenanthrene	380	J	ug/kg	1000	210	10
Dibenzo(a,h)anthracene	ND		ug/kg	1000	200	10
Indeno(1,2,3-cd)pyrene	320	J	ug/kg	1400	240	10
Pyrene	610	J	ug/kg	1000	170	10
Biphenyl	ND		ug/kg	4000	220	10
4-Chloroaniline	ND		ug/kg	1700	320	10
2-Nitroaniline	ND		ug/kg	1700	330	10
3-Nitroaniline	ND		ug/kg	1700	330	10
4-Nitroaniline	ND		ug/kg	1700	720	10
Dibenzofuran	ND		ug/kg	1700	160	10
2-Methylnaphthalene	ND		ug/kg	2100	210	10
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	1700	180	10
Acetophenone	ND		ug/kg	1700	210	10
2,4,6-Trichlorophenol	ND		ug/kg	1000	330	10
p-Chloro-m-cresol	ND		ug/kg	1700	260	10
2-Chlorophenol	ND		ug/kg	1700	200	10
2,4-Dichlorophenol	ND		ug/kg	1600	280	10
2,4-Dimethylphenol	ND		ug/kg	1700	570	10
2-Nitrophenol	ND		ug/kg	3700	650	10
4-Nitrophenol	ND		ug/kg	2400	710	10
2,4-Dinitrophenol	ND		ug/kg	8300	810	10
4,6-Dinitro-o-cresol	ND		ug/kg	4500	830	10
Pentachlorophenol	ND		ug/kg	1400	380	10
Phenol	ND		ug/kg	1700	260	10
2-Methylphenol	ND		ug/kg	1700	270	10
3-Methylphenol/4-Methylphenol	ND		ug/kg	2500	270	10

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 D
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
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	1700	330	10
Benzoic Acid	ND		ug/kg	5600	1800	10
Benzyl Alcohol	ND		ug/kg	1700	530	10
Carbazole	ND		ug/kg	1700	170	10
1,4-Dioxane	ND		ug/kg	260	80.	10
Tentatively Identified Compounds						
No Tentatively Identified Compounds	ND		ug/kg			10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		25-120
Phenol-d6	66		10-120
Nitrobenzene-d5	32		23-120
2-Fluorobiphenyl	75		30-120
2,4,6-Tribromophenol	47		10-136
4-Terphenyl-d14	75		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-44
Client ID: SB-29 (4-7')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 15:36
Analyst: WR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-44 Date Collected: 08/25/22 10:25

Client ID: SB-29 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-44 Date Collected: 08/25/22 10:25

Client ID: SB-29 (4-7') Date Received: 08/25/22

Sample Location: Not Specified 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	86		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	44		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	65		10-136
4-Terphenyl-d14	85		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/01/22 16:00
Analyst: IM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 01:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	25.	1
2-Chloronaphthalene	ND		ug/kg	190	18.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	37.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	65.	1
Butyl benzyl phthalate	ND		ug/kg	190	47.	1
Di-n-butylphthalate	ND		ug/kg	190	35.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46 Date Collected: 08/25/22 10:30

Client ID: SB-29 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	17.	1
Dimethyl phthalate	ND		ug/kg	190	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	46.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	30.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	29.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	190	18.	1
Phenanthrene	ND		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	19	J	ug/kg	110	18.	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	22.	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46 Date Collected: 08/25/22 10:30

Client ID: SB-29 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	81		25-120
Phenol-d6	80		10-120
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	72		18-120

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 23:16
Analyst: RS
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.517	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.517	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.258	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.517	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.258	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.258	0.063	1
Perfluorooctanoic Acid (PFOA)	0.081	J	ng/g	0.258	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.517	0.186	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.517	0.141	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.258	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.258	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.258	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.517	0.297	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.517	0.208	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.517	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.517	0.158	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.517	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.517	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.517	0.212	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.517	0.056	1
PFOA/PFOS, Total	0.081	J	ng/g	0.258	0.043	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46 Date Collected: 08/25/22 10:30

Client ID: SB-29 (7-9') Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	77		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	83		58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**69**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	79		78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	64		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**69**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	63		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**30**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		61-155
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**28**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	70		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	49		24-159

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/16/22 19:03
Analyst: RS
Percent Solids: 87%

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.517	0.101	1

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	86		10-117

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D
Analytical Date: 09/01/22 10:28
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 15:14

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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	5.23	J	ug/l			1
Unknown	2.47	J	ug/l			1
Unknown Benzene	2.76	J	ug/l			1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		21-120
Phenol-d6	42		10-120
Nitrobenzene-d5	66		23-120
2-Fluorobiphenyl	66		15-120
2,4,6-Tribromophenol	97		10-120
4-Terphenyl-d14	86		41-149

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270D-SIM
Analytical Date: 09/01/22 11:31
Analyst: RP

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 15:17

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	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	0.04	J	ug/l	0.10	0.02	1
Pentachlorophenol	ND		ug/l	0.80	0.01	1
Hexachlorobenzene	ND		ug/l	0.80	0.01	1
Hexachloroethane	ND		ug/l	0.80	0.06	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	47		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	81		41-149

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/22 20:39
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 10:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
1,4 Dioxane by 8270E-SIM - Mansfield Lab						
1,4-Dioxane	ND		ng/l	134	30.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	48		15-110

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 19:57
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/29/22 05:23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.689	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.649	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.981	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.581	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.805	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.328	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248	1
PFOA/PFOS, Total	ND		ng/l	2.00	0.236	1

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	122		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	117		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	113		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	111		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	136		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	15		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	119		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	129		22-136

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 02:58
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,08,10,14 Batch: WG1680090-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/04/22 02:58
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,08,10,14 Batch: WG1680090-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**48**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**51**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**47**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**50**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**50**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**51**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	43		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**65**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**50**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**45**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	42		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**48**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**4**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	46		34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**45**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**11**	Q	24-159

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/05/22 19:27
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/26/22 12:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04,06,08,10,14 Batch: WG1680090-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	116		10-117

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 20:14
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 15,24,28,30,34,36,40,42,46 Batch: WG1680297-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 20:14
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 15,24,28,30,34,36,40,42,46 Batch: WG1680297-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**51**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**57**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**56**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**51**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**57**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**60**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**65**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	46		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**59**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**55**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**59**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	58		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**21**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**60**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**2**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**22**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	54		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	33		24-159

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/11/22 10:08
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/27/22 10:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 15,24,28,30,34,36,40,42,46 Batch: WG1680297-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	89		10-117

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E-SIM
Analytical Date: 08/29/22 17:49
Analyst: DB

Extraction Method: EPA 3510C
Extraction Date: 08/27/22 10:10

Parameter	Result	Qualifier	Units	RL	MDL
1,4 Dioxane by 8270E-SIM - Mansfield Lab for sample(s): 47 Batch: WG1680391-1					
1,4-Dioxane	ND		ng/l	150	33.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,4-Dioxane-d8	49		15-110

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 17:45
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/29/22 05:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 47 Batch: WG1680740-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/08/22 17:45
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 08/29/22 05:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 47 Batch: WG1680740-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	125		62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108		71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	110		62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	87		14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	123		62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	89		10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	98		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	130		55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	43		10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	129		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**169**	Q	22-136

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/11/22 14:34
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 08/29/22 05:23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 47 Batch: WG1680740-1					
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	93		10-112

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14-15 Batch: WG1681170-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14-15 Batch: WG1681170-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 20:21
Analyst: WR

Extraction Method: EPA 3546
Extraction Date: 08/30/22 04:15

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04,06,14-15 Batch: WG1681170-1					
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

Total TIC Compounds	985	J	ug/kg
Unknown	985	J	ug/kg

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	83		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	95		10-136
4-Terphenyl-d14	97		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:44
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/30/22 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1681371-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:44
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/30/22 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1681371-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/30/22 23:44
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 08/30/22 11:10

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 08,10,12 Batch: WG1681371-1					
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	47		25-120
Phenol-d6	47		10-120
Nitrobenzene-d5	42		23-120
2-Fluorobiphenyl	42		30-120
2,4,6-Tribromophenol	39		10-136
4-Terphenyl-d14	42		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/22 16:27
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 47 Batch: WG1681672-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/22 16:27
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 47 Batch: WG1681672-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/22 16:27
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 47 Batch: WG1681672-1					
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	14.8	J	ug/l
Unknown	1.78	J	ug/l
Unknown	2.25	J	ug/l
Unknown Alcohol	1.56	J	ug/l
Unknown	2.51	J	ug/l
Unknown Organic Acid	1.67	J	ug/l
Unknown	2.80	J	ug/l
Unknown	2.22	J	ug/l

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 08/31/22 16:27
Analyst: SZ

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 47 Batch: WG1681672-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	62		21-120
Phenol-d6	49		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	95		10-120
4-Terphenyl-d14	83		41-149

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/31/22 09:16
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 47 Batch: WG1681674-1					
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	0.01	J	ug/l	0.80	0.01
Hexachloroethane	ND		ug/l	0.80	0.06

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D-SIM
Analytical Date: 08/31/22 09:16
Analyst: AH

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 00:08

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS-SIM - Westborough Lab for sample(s): 47 Batch: WG1681674-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		21-120
Phenol-d6	60		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	75		15-120
2,4,6-Tribromophenol	85		10-120
4-Terphenyl-d14	79		41-149

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 08:47
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	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	100	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	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 08:47
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-1					
Dimethyl phthalate	ND		ug/kg	160	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	160	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	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
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	100	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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/01/22 08:47
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 00:41

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-1					
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	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	84		25-120
Phenol-d6	84		10-120
Nitrobenzene-d5	72		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	89		10-136
4-Terphenyl-d14	94		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/22 00:48
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 02:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1682246-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/22 00:48
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 02:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1682246-1					
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/02/22 00:48
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/01/22 02:28

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 26 Batch: WG1682246-1					
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	90		25-120
Phenol-d6	95		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	101		30-120
2,4,6-Tribromophenol	80		10-136
4-Terphenyl-d14	104		18-120

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/22 07:16
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/05/22 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1683617-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.250	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.250	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.250	0.061
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.250	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.250	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.250	0.130
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.250	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ng/g	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ng/g	0.500	0.054
PFOA/PFOS, Total	ND		ng/g	0.250	0.042

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/09/22 07:16
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 09/05/22 10:15

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1683617-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**47**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**55**	Q	58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**54**	Q	74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**48**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**56**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**61**	Q	78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**61**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	46		20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**53**	Q	72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**56**	Q	79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**60**	Q	75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	39		19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**20**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**53**	Q	61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**0**	Q	10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**26**	Q	34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**42**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**20**	Q	24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,08,10,14 Batch: WG1680090-2								
Perfluorobutanoic Acid (PFBA)	92		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	95		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	92		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	93		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	91		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	103		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	92		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	98		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	91		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	86		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	96		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	94		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	98		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	75		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	78		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	97		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	95		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	84		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	133		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,08,10,14 Batch: WG1680090-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**55**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**51**	Q			58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**54**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**53**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**54**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**53**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**55**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	46				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**71**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**52**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**51**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	43				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	37				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**50**	Q			61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**5**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**47**	Q			54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**14**	Q			24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,08,10,14 Batch: WG1680090-2								
Perfluorooctanesulfonamide (FOSA)	87		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	112				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 15,24,28,30,34,36,40,42,46		Batch: WG1680297-2					
Perfluorobutanoic Acid (PFBA)	100		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	96		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	94		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	98		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	119		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	90		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	111		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	89		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	104		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	102		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	134		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	133		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	100		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	**141**	Q	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	123		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	111		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	101		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	107		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	125		-		69-133	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 15,24,28,30,34,36,40,42,46 Batch: WG1680297-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	**56**	Q			61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	63				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**56**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**53**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**59**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**61**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**67**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	51				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**63**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**58**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**60**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	42				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**27**	Q			31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	67				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**1**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**30**	Q			34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	33				24-159

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

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Lab Number: L2246011

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Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab	Associated sample(s): 15,24,28,30,34,36,40,42,46		Batch: WG1680297-2					
Perfluorooctanesulfonamide (FOSA)	104		-		67-137	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	90				10-117

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
1,4 Dioxane by 8270E-SIM - Mansfield Lab Associated sample(s): 47 Batch: WG1680391-2 WG1680391-3								
1,4-Dioxane	115		116		40-140	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,4-Dioxane-d8	47		49		15-110

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 47 Batch: WG1680740-2								
Perfluorobutanoic Acid (PFBA)	94		-		67-148	-		30
Perfluoropentanoic Acid (PFPeA)	92		-		63-161	-		30
Perfluorobutanesulfonic Acid (PFBS)	95		-		65-157	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		69-168	-		30
Perfluoroheptanoic Acid (PFHpA)	92		-		58-159	-		30
Perfluorohexanesulfonic Acid (PFHxS)	112		-		69-177	-		30
Perfluorooctanoic Acid (PFOA)	83		-		63-159	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	108		-		49-187	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	106		-		61-179	-		30
Perfluorononanoic Acid (PFNA)	86		-		68-171	-		30
Perfluorooctanesulfonic Acid (PFOS)	101		-		52-151	-		30
Perfluorodecanoic Acid (PFDA)	78		-		63-171	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	110		-		56-173	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		60-166	-		30
Perfluoroundecanoic Acid (PFUnA)	90		-		60-153	-		30
Perfluorodecanesulfonic Acid (PFDS)	155		-		38-156	-		30
Perfluorooctanesulfonamide (FOSA)	98		-		46-170	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	107		-		45-170	-		30
Perfluorododecanoic Acid (PFDoA)	97		-		67-153	-		30
Perfluorotridecanoic Acid (PFTrDA)	97		-		48-158	-		30
Perfluorotetradecanoic Acid (PFTA)	101		-		59-182	-		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 47 Batch: WG1680740-2								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	104				58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	121				62-163
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91				70-131
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95				57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101				60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96				71-134
Perfluoro[13C8]Octanoic Acid (M8PFOA)	118				62-129
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	91				14-147
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116				59-139
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94				69-131
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**126**	Q			62-124
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94				10-162
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	91				24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	136				55-137
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	38				10-112
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94				27-126
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	124				48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**147**	Q			22-136

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 47 Batch: WG1680740-2								
Perfluorooctanesulfonamide (FOSA)	95		-		46-170	-		30

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	87				10-112

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14-15 Batch: WG1681170-2 WG1681170-3								
Acenaphthene	73		67		31-137	9		50
1,2,4-Trichlorobenzene	73		68		38-107	7		50
Hexachlorobenzene	77		70		40-140	10		50
Bis(2-chloroethyl)ether	69		66		40-140	4		50
2-Chloronaphthalene	76		68		40-140	11		50
1,2-Dichlorobenzene	67		65		40-140	3		50
1,3-Dichlorobenzene	63		62		40-140	2		50
1,4-Dichlorobenzene	64		62		28-104	3		50
3,3'-Dichlorobenzidine	69		61		40-140	12		50
2,4-Dinitrotoluene	72		66		40-132	9		50
2,6-Dinitrotoluene	80		70		40-140	13		50
Fluoranthene	75		68		40-140	10		50
4-Chlorophenyl phenyl ether	76		67		40-140	13		50
4-Bromophenyl phenyl ether	76		68		40-140	11		50
Bis(2-chloroisopropyl)ether	66		63		40-140	5		50
Bis(2-chloroethoxy)methane	73		67		40-117	9		50
Hexachlorobutadiene	68		63		40-140	8		50
Hexachlorocyclopentadiene	85		75		40-140	13		50
Hexachloroethane	65		63		40-140	3		50
Isophorone	74		68		40-140	8		50
Naphthalene	70		64		40-140	9		50
Nitrobenzene	71		68		40-140	4		50
NDPA/DPA	78		70		36-157	11		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14-15 Batch: WG1681170-2 WG1681170-3								
n-Nitrosodi-n-propylamine	76		71		32-121	7		50
Bis(2-ethylhexyl)phthalate	77		68		40-140	12		50
Butyl benzyl phthalate	75		68		40-140	10		50
Di-n-butylphthalate	77		69		40-140	11		50
Di-n-octylphthalate	71		63		40-140	12		50
Diethyl phthalate	78		70		40-140	11		50
Dimethyl phthalate	84		74		40-140	13		50
Benzo(a)anthracene	74		66		40-140	11		50
Benzo(a)pyrene	75		67		40-140	11		50
Benzo(b)fluoranthene	75		69		40-140	8		50
Benzo(k)fluoranthene	72		64		40-140	12		50
Chrysene	73		67		40-140	9		50
Acenaphthylene	80		71		40-140	12		50
Anthracene	76		68		40-140	11		50
Benzo(ghi)perylene	69		62		40-140	11		50
Fluorene	76		68		40-140	11		50
Phenanthrene	72		65		40-140	10		50
Dibenzo(a,h)anthracene	73		65		40-140	12		50
Indeno(1,2,3-cd)pyrene	79		71		40-140	11		50
Pyrene	75		67		35-142	11		50
Biphenyl	76		68		37-127	11		50
4-Chloroaniline	70		52		40-140	30		50
2-Nitroaniline	84		74		47-134	13		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14-15 Batch: WG1681170-2 WG1681170-3								
3-Nitroaniline	67		59		26-129	13		50
4-Nitroaniline	77		69		41-125	11		50
Dibenzofuran	74		66		40-140	11		50
2-Methylnaphthalene	74		67		40-140	10		50
1,2,4,5-Tetrachlorobenzene	75		68		40-117	10		50
Acetophenone	72		67		14-144	7		50
2,4,6-Trichlorophenol	87		75		30-130	15		50
p-Chloro-m-cresol	83		72		26-103	14		50
2-Chlorophenol	73		68		25-102	7		50
2,4-Dichlorophenol	82		72		30-130	13		50
2,4-Dimethylphenol	82		76		30-130	8		50
2-Nitrophenol	77		73		30-130	5		50
4-Nitrophenol	74		66		11-114	11		50
2,4-Dinitrophenol	32		37		4-130	14		50
4,6-Dinitro-o-cresol	78		72		10-130	8		50
Pentachlorophenol	70		64		17-109	9		50
Phenol	81		75		26-90	8		50
2-Methylphenol	77		70		30-130.	10		50
3-Methylphenol/4-Methylphenol	78		71		30-130	9		50
2,4,5-Trichlorophenol	86		77		30-130	11		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	77		71		40-140	8		50
Carbazole	75		67		54-128	11		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04,06,14-15 Batch: WG1681170-2 WG1681170-3								
1,4-Dioxane	44		45		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	78		74		25-120
Phenol-d6	81		76		10-120
Nitrobenzene-d5	75		69		23-120
2-Fluorobiphenyl	81		72		30-120
2,4,6-Tribromophenol	87		79		10-136
4-Terphenyl-d14	81		73		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1681371-2 WG1681371-3								
Acenaphthene	48		64		31-137	29		50
1,2,4-Trichlorobenzene	50		63		38-107	23		50
Hexachlorobenzene	47		66		40-140	34		50
Bis(2-chloroethyl)ether	52		65		40-140	22		50
2-Chloronaphthalene	48		64		40-140	29		50
1,2-Dichlorobenzene	51		62		40-140	19		50
1,3-Dichlorobenzene	51		62		40-140	19		50
1,4-Dichlorobenzene	51		62		28-104	19		50
3,3'-Dichlorobenzidine	**33**	Q	48		40-140	37		50
2,4-Dinitrotoluene	48		67		40-132	33		50
2,6-Dinitrotoluene	46		65		40-140	34		50
Fluoranthene	46		67		40-140	37		50
4-Chlorophenyl phenyl ether	48		64		40-140	29		50
4-Bromophenyl phenyl ether	48		65		40-140	30		50
Bis(2-chloroisopropyl)ether	52		65		40-140	22		50
Bis(2-chloroethoxy)methane	50		64		40-117	25		50
Hexachlorobutadiene	49		61		40-140	22		50
Hexachlorocyclopentadiene	40		53		40-140	28		50
Hexachloroethane	50		61		40-140	20		50
Isophorone	47		60		40-140	24		50
Naphthalene	50		65		40-140	26		50
Nitrobenzene	49		62		40-140	23		50
NDPA/DPA	47		66		36-157	34		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1681371-2 WG1681371-3								
n-Nitrosodi-n-propylamine	49		62		32-121	23		50
Bis(2-ethylhexyl)phthalate	43		62		40-140	36		50
Butyl benzyl phthalate	42		66		40-140	44		50
Di-n-butylphthalate	45		66		40-140	38		50
Di-n-octylphthalate	41		61		40-140	39		50
Diethyl phthalate	45		64		40-140	35		50
Dimethyl phthalate	45		63		40-140	33		50
Benzo(a)anthracene	45		63		40-140	33		50
Benzo(a)pyrene	47		67		40-140	35		50
Benzo(b)fluoranthene	46		66		40-140	36		50
Benzo(k)fluoranthene	47		67		40-140	35		50
Chrysene	46		64		40-140	33		50
Acenaphthylene	48		64		40-140	29		50
Anthracene	49		67		40-140	31		50
Benzo(ghi)perylene	46		64		40-140	33		50
Fluorene	47		64		40-140	31		50
Phenanthrene	47		66		40-140	34		50
Dibenzo(a,h)anthracene	46		63		40-140	31		50
Indeno(1,2,3-cd)pyrene	50		69		40-140	32		50
Pyrene	46		68		35-142	39		50
Biphenyl	48		63		37-127	27		50
4-Chloroaniline	41		59		40-140	36		50
2-Nitroaniline	**46**	Q	65		47-134	34		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1681371-2 WG1681371-3								
3-Nitroaniline	37		54		26-129	37		50
4-Nitroaniline	46		67		41-125	37		50
Dibenzofuran	49		65		40-140	28		50
2-Methylnaphthalene	50		65		40-140	26		50
1,2,4,5-Tetrachlorobenzene	47		62		40-117	28		50
Acetophenone	47		60		14-144	24		50
2,4,6-Trichlorophenol	48		66		30-130	32		50
p-Chloro-m-cresol	49		67		26-103	31		50
2-Chlorophenol	53		68		25-102	25		50
2,4-Dichlorophenol	51		66		30-130	26		50
2,4-Dimethylphenol	52		68		30-130	27		50
2-Nitrophenol	48		62		30-130	25		50
4-Nitrophenol	48		70		11-114	37		50
2,4-Dinitrophenol	21		24		4-130	13		50
4,6-Dinitro-o-cresol	43		60		10-130	33		50
Pentachlorophenol	44		59		17-109	29		50
Phenol	55		70		26-90	24		50
2-Methylphenol	53		67		30-130.	23		50
3-Methylphenol/4-Methylphenol	57		72		30-130	23		50
2,4,5-Trichlorophenol	48		68		30-130	34		50
Benzoic Acid	11		11		10-110	0		50
Benzyl Alcohol	50		64		40-140	25		50
Carbazole	**47**	Q	69		54-128	38		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 08,10,12 Batch: WG1681371-2 WG1681371-3								
1,4-Dioxane	44		50		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	57		73		25-120
Phenol-d6	56		72		10-120
Nitrobenzene-d5	50		64		23-120
2-Fluorobiphenyl	49		65		30-120
2,4,6-Tribromophenol	48		68		10-136
4-Terphenyl-d14	47		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 47 Batch: WG1681672-2 WG1681672-3								
Acenaphthene	70		55		37-111	24		30
1,2,4-Trichlorobenzene	62		53		39-98	16		30
Hexachlorobenzene	84		68		40-140	21		30
Bis(2-chloroethyl)ether	60		51		40-140	16		30
2-Chloronaphthalene	67		53		40-140	23		30
1,2-Dichlorobenzene	60		52		40-140	14		30
1,3-Dichlorobenzene	60		51		40-140	16		30
1,4-Dichlorobenzene	60		51		36-97	16		30
3,3'-Dichlorobenzidine	65		48		40-140	30		30
2,4-Dinitrotoluene	90		70		48-143	25		30
2,6-Dinitrotoluene	80		64		40-140	22		30
Fluoranthene	74		56		40-140	28		30
4-Chlorophenyl phenyl ether	73		58		40-140	23		30
4-Bromophenyl phenyl ether	81		65		40-140	22		30
Bis(2-chloroisopropyl)ether	**30**	Q	**26**	Q	40-140	14		30
Bis(2-chloroethoxy)methane	62		52		40-140	18		30
Hexachlorobutadiene	62		51		40-140	19		30
Hexachlorocyclopentadiene	80		64		40-140	22		30
Hexachloroethane	57		48		40-140	17		30
Isophorone	58		48		40-140	19		30
Naphthalene	66		53		40-140	22		30
Nitrobenzene	64		54		40-140	17		30
NDPA/DPA	71		56		40-140	24		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 47 Batch: WG1681672-2 WG1681672-3								
n-Nitrosodi-n-propylamine	57		48		29-132	17		30
Bis(2-ethylhexyl)phthalate	66		54		40-140	20		30
Butyl benzyl phthalate	82		64		40-140	25		30
Di-n-butylphthalate	67		50		40-140	29		30
Di-n-octylphthalate	70		60		40-140	15		30
Diethyl phthalate	70		56		40-140	22		30
Dimethyl phthalate	70		55		40-140	24		30
Benzo(a)anthracene	74		59		40-140	23		30
Benzo(a)pyrene	87		72		40-140	19		30
Benzo(b)fluoranthene	86		72		40-140	18		30
Benzo(k)fluoranthene	80		62		40-140	25		30
Chrysene	69		56		40-140	21		30
Acenaphthylene	70		57		45-123	20		30
Anthracene	72		56		40-140	25		30
Benzo(ghi)perylene	75		65		40-140	14		30
Fluorene	74		58		40-140	24		30
Phenanthrene	69		54		40-140	24		30
Dibenzo(a,h)anthracene	74		65		40-140	13		30
Indeno(1,2,3-cd)pyrene	93		84		40-140	10		30
Pyrene	72		55		26-127	27		30
Biphenyl	72		57		40-140	23		30
4-Chloroaniline	42		**34**	Q	40-140	21		30
2-Nitroaniline	86		68		52-143	23		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 47 Batch: WG1681672-2 WG1681672-3								
3-Nitroaniline	70		52		25-145	30		30
4-Nitroaniline	75		56		51-143	29		30
Dibenzofuran	72		57		40-140	23		30
2-Methylnaphthalene	69		55		40-140	23		30
1,2,4,5-Tetrachlorobenzene	70		58		2-134	19		30
Acetophenone	66		56		39-129	16		30
2,4,6-Trichlorophenol	77		62		30-130	22		30
p-Chloro-m-cresol	70		58		23-97	19		30
2-Chlorophenol	69		57		27-123	19		30
2,4-Dichlorophenol	70		59		30-130	17		30
2,4-Dimethylphenol	62		53		30-130	16		30
2-Nitrophenol	92		78		30-130	16		30
4-Nitrophenol	51		40		10-80	24		30
2,4-Dinitrophenol	100		84		20-130	17		30
4,6-Dinitro-o-cresol	107		81		20-164	28		30
Pentachlorophenol	84		65		9-103	26		30
Phenol	51		44		12-110	15		30
2-Methylphenol	64		54		30-130	17		30
3-Methylphenol/4-Methylphenol	70		57		30-130	20		30
2,4,5-Trichlorophenol	76		62		30-130	20		30
Benzoic Acid	80		68		10-164	16		30
Benzyl Alcohol	57		48		26-116	17		30
Carbazole	74		57		55-144	26		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 47 Batch: WG1681672-2 WG1681672-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	62		54		21-120
Phenol-d6	54		47		10-120
Nitrobenzene-d5	71		58		23-120
2-Fluorobiphenyl	70		57		15-120
2,4,6-Tribromophenol	112		85		10-120
4-Terphenyl-d14	82		62		41-149

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 47 Batch: WG1681674-2 WG1681674-3								
Acenaphthene	57		70		40-140	20		40
2-Chloronaphthalene	54		66		40-140	20		40
Fluoranthene	55		66		40-140	18		40
Hexachlorobutadiene	56		70		40-140	22		40
Naphthalene	55		74		40-140	29		40
Benzo(a)anthracene	53		66		40-140	22		40
Benzo(a)pyrene	46		57		40-140	21		40
Benzo(b)fluoranthene	55		74		40-140	29		40
Benzo(k)fluoranthene	61		69		40-140	12		40
Chrysene	60		73		40-140	20		40
Acenaphthylene	50		60		40-140	18		40
Anthracene	53		66		40-140	22		40
Benzo(ghi)perylene	62		71		40-140	14		40
Fluorene	58		71		40-140	20		40
Phenanthrene	55		67		40-140	20		40
Dibenzo(a,h)anthracene	65		74		40-140	13		40
Indeno(1,2,3-cd)pyrene	63		70		40-140	11		40
Pyrene	54		65		40-140	18		40
2-Methylnaphthalene	54		68		40-140	23		40
Pentachlorophenol	59		71		40-140	18		40
Hexachlorobenzene	56		70		40-140	22		40
Hexachloroethane	55		68		40-140	21		40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS-SIM - Westborough Lab Associated sample(s): 47 Batch: WG1681674-2 WG1681674-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	53		65		21-120
Phenol-d6	47		57		10-120
Nitrobenzene-d5	62		75		23-120
2-Fluorobiphenyl	58		70		15-120
2,4,6-Tribromophenol	66		79		10-120
4-Terphenyl-d14	58		71		41-149

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-2 WG1682214-3								
Acenaphthene	77		72		31-137	7		50
1,2,4-Trichlorobenzene	73		68		38-107	7		50
Hexachlorobenzene	81		75		40-140	8		50
Bis(2-chloroethyl)ether	68		64		40-140	6		50
2-Chloronaphthalene	77		72		40-140	7		50
1,2-Dichlorobenzene	69		65		40-140	6		50
1,3-Dichlorobenzene	68		65		40-140	5		50
1,4-Dichlorobenzene	67		64		28-104	5		50
3,3'-Dichlorobenzidine	63		58		40-140	8		50
2,4-Dinitrotoluene	84		76		40-132	10		50
2,6-Dinitrotoluene	83		75		40-140	10		50
Fluoranthene	81		74		40-140	9		50
4-Chlorophenyl phenyl ether	81		74		40-140	9		50
4-Bromophenyl phenyl ether	79		74		40-140	7		50
Bis(2-chloroisopropyl)ether	55		51		40-140	8		50
Bis(2-chloroethoxy)methane	70		66		40-117	6		50
Hexachlorobutadiene	72		68		40-140	6		50
Hexachlorocyclopentadiene	**34**	Q	**30**	Q	40-140	13		50
Hexachloroethane	69		65		40-140	6		50
Isophorone	68		64		40-140	6		50
Naphthalene	72		69		40-140	4		50
Nitrobenzene	70		65		40-140	7		50
NDPA/DPA	84		76		36-157	10		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-2 WG1682214-3								
n-Nitrosodi-n-propylamine	67		62		32-121	8		50
Bis(2-ethylhexyl)phthalate	92		83		40-140	10		50
Butyl benzyl phthalate	82		78		40-140	5		50
Di-n-butylphthalate	82		76		40-140	8		50
Di-n-octylphthalate	89		80		40-140	11		50
Diethyl phthalate	85		77		40-140	10		50
Dimethyl phthalate	83		76		40-140	9		50
Benzo(a)anthracene	85		76		40-140	11		50
Benzo(a)pyrene	84		75		40-140	11		50
Benzo(b)fluoranthene	82		75		40-140	9		50
Benzo(k)fluoranthene	85		77		40-140	10		50
Chrysene	84		76		40-140	10		50
Acenaphthylene	81		75		40-140	8		50
Anthracene	78		72		40-140	8		50
Benzo(ghi)perylene	77		71		40-140	8		50
Fluorene	82		76		40-140	8		50
Phenanthrene	77		70		40-140	10		50
Dibenzo(a,h)anthracene	78		71		40-140	9		50
Indeno(1,2,3-cd)pyrene	85		78		40-140	9		50
Pyrene	80		75		35-142	6		50
Biphenyl	74		69		37-127	7		50
4-Chloroaniline	52		47		40-140	10		50
2-Nitroaniline	82		76		47-134	8		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-2 WG1682214-3								
3-Nitroaniline	72		68		26-129	6		50
4-Nitroaniline	80		74		41-125	8		50
Dibenzofuran	81		75		40-140	8		50
2-Methylnaphthalene	76		72		40-140	5		50
1,2,4,5-Tetrachlorobenzene	73		70		40-117	4		50
Acetophenone	68		63		14-144	8		50
2,4,6-Trichlorophenol	81		75		30-130	8		50
p-Chloro-m-cresol	82		76		26-103	8		50
2-Chlorophenol	76		69		25-102	10		50
2,4-Dichlorophenol	80		74		30-130	8		50
2,4-Dimethylphenol	76		71		30-130	7		50
2-Nitrophenol	69		66		30-130	4		50
4-Nitrophenol	83		75		11-114	10		50
2,4-Dinitrophenol	34		34		4-130	0		50
4,6-Dinitro-o-cresol	75		69		10-130	8		50
Pentachlorophenol	60		53		17-109	12		50
Phenol	69		63		26-90	9		50
2-Methylphenol	76		71		30-130.	7		50
3-Methylphenol/4-Methylphenol	81		76		30-130	6		50
2,4,5-Trichlorophenol	82		78		30-130	5		50
Benzoic Acid	**0**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	72		67		40-140	7		50
Carbazole	81		74		54-128	9		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 24,28,30,32,34,36,38,40,42,44,46 Batch: WG1682214-2 WG1682214-3								
1,4-Dioxane	50		48		40-140	4		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	79		75		25-120
Phenol-d6	80		76		10-120
Nitrobenzene-d5	70		68		23-120
2-Fluorobiphenyl	82		77		30-120
2,4,6-Tribromophenol	89		81		10-136
4-Terphenyl-d14	83		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1682246-2 WG1682246-3								
Acenaphthene	92		96		31-137	4		50
1,2,4-Trichlorobenzene	82		87		38-107	6		50
Hexachlorobenzene	91		95		40-140	4		50
Bis(2-chloroethyl)ether	74		80		40-140	8		50
2-Chloronaphthalene	88		92		40-140	4		50
1,2-Dichlorobenzene	77		83		40-140	8		50
1,3-Dichlorobenzene	76		82		40-140	8		50
1,4-Dichlorobenzene	77		82		28-104	6		50
3,3'-Dichlorobenzidine	77		75		40-140	3		50
2,4-Dinitrotoluene	96		98		40-132	2		50
2,6-Dinitrotoluene	91		92		40-140	1		50
Fluoranthene	94		95		40-140	1		50
4-Chlorophenyl phenyl ether	99		102		40-140	3		50
4-Bromophenyl phenyl ether	93		95		40-140	2		50
Bis(2-chloroisopropyl)ether	62		67		40-140	8		50
Bis(2-chloroethoxy)methane	78		80		40-117	3		50
Hexachlorobutadiene	87		94		40-140	8		50
Hexachlorocyclopentadiene	**39**	Q	44		40-140	12		50
Hexachloroethane	80		84		40-140	5		50
Isophorone	73		76		40-140	4		50
Naphthalene	84		89		40-140	6		50
Nitrobenzene	75		81		40-140	8		50
NDPA/DPA	95		98		36-157	3		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1682246-2 WG1682246-3								
n-Nitrosodi-n-propylamine	76		81		32-121	6		50
Bis(2-ethylhexyl)phthalate	112		116		40-140	4		50
Butyl benzyl phthalate	96		98		40-140	2		50
Di-n-butylphthalate	98		99		40-140	1		50
Di-n-octylphthalate	107		110		40-140	3		50
Diethyl phthalate	99		100		40-140	1		50
Dimethyl phthalate	89		91		40-140	2		50
Benzo(a)anthracene	101		104		40-140	3		50
Benzo(a)pyrene	100		102		40-140	2		50
Benzo(b)fluoranthene	99		102		40-140	3		50
Benzo(k)fluoranthene	100		103		40-140	3		50
Chrysene	103		105		40-140	2		50
Acenaphthylene	90		92		40-140	2		50
Anthracene	94		95		40-140	1		50
Benzo(ghi)perylene	94		96		40-140	2		50
Fluorene	97		99		40-140	2		50
Phenanthrene	91		94		40-140	3		50
Dibenzo(a,h)anthracene	95		97		40-140	2		50
Indeno(1,2,3-cd)pyrene	104		104		40-140	0		50
Pyrene	95		96		35-142	1		50
Biphenyl	84		86		37-127	2		50
4-Chloroaniline	73		72		40-140	1		50
2-Nitroaniline	91		91		47-134	0		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1682246-2 WG1682246-3								
3-Nitroaniline	86		85		26-129	1		50
4-Nitroaniline	92		94		41-125	2		50
Dibenzofuran	96		99		40-140	3		50
2-Methylnaphthalene	87		92		40-140	6		50
1,2,4,5-Tetrachlorobenzene	86		90		40-117	5		50
Acetophenone	73		78		14-144	7		50
2,4,6-Trichlorophenol	86		86		30-130	0		50
p-Chloro-m-cresol	92		92		26-103	0		50
2-Chlorophenol	83		87		25-102	5		50
2,4-Dichlorophenol	84		85		30-130	1		50
2,4-Dimethylphenol	81		87		30-130	7		50
2-Nitrophenol	74		80		30-130	8		50
4-Nitrophenol	86		87		11-114	1		50
2,4-Dinitrophenol	33		14		4-130	**81**	Q	50
4,6-Dinitro-o-cresol	72		49		10-130	38		50
Pentachlorophenol	53		50		17-109	6		50
Phenol	75		78		26-90	4		50
2-Methylphenol	83		85		30-130.	2		50
3-Methylphenol/4-Methylphenol	88		90		30-130	2		50
2,4,5-Trichlorophenol	84		84		30-130	0		50
Benzoic Acid	**3**	Q	**0**	Q	10-110	NC		50
Benzyl Alcohol	80		85		40-140	6		50
Carbazole	95		98		54-128	3		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 26 Batch: WG1682246-2 WG1682246-3								
1,4-Dioxane	56		60		40-140	7		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		84		25-120
Phenol-d6	80		85		10-120
Nitrobenzene-d5	74		79		23-120
2-Fluorobiphenyl	86		89		30-120
2,4,6-Tribromophenol	79		80		10-136
4-Terphenyl-d14	86		87		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1683617-2								
Perfluorobutanoic Acid (PFBA)	88		-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	86		-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	94		-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	84		-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	87		-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	105		-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	81		-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	103		-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	99		-		70-132	-		30
Perfluorononanoic Acid (PFNA)	87		-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	91		-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	91		-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	111		-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	86		-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	93		-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	94		-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	78		-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	98		-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	92		-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	93		-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	89		-		69-133	-		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

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

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1683617-2

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	61				61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68				58-150
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**57**	Q			74-139
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**61**	Q			66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**68**	Q			71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**63**	Q			78-139
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**72**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	52				20-154
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**63**	Q			72-140
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**61**	Q			79-136
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**67**	Q			75-130
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46				19-175
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49				31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	69				61-155
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	**2**	Q			10-117
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	40				34-137
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	55				54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	27				24-159

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,08,10,14 QC Batch ID: WG1680090-3 WG1680090-4 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
Perfluorobutanoic Acid (PFBA)	ND	5.18	4.74	92		5.28	104		71-135	11		30
Perfluoropentanoic Acid (PFPeA)	ND	5.18	4.94	95		5.54	109		69-132	11		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.6	4.18	91		4.76	105		72-128	13		30
Perfluorohexanoic Acid (PFHxA)	ND	5.18	4.82	93		5.41	106		70-132	12		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.18	4.78	92		5.34	105		71-131	11		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.73	4.77	101		5.30	114		67-130	11		30
Perfluorooctanoic Acid (PFOA)	0.102J	5.18	4.97	94		5.43	105		69-133	9		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.93	5.07	103		5.38	111		64-140	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.94	4.39	89		4.87	100		70-132	10		30
Perfluorononanoic Acid (PFNA)	ND	5.18	4.50	87		5.12	101		72-129	13		30
Perfluorooctanesulfonic Acid (PFOS)	0.191J	4.8	4.95	99		5.54	113		68-136	11		30
Perfluorodecanoic Acid (PFDA)	ND	5.18	4.76	92		5.50	108		69-133	14		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.97	4.53	91		5.10	104		65-137	12		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.18	4.71	91		5.04	99		63-144	7		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.18	3.82	74		4.34	85		64-136	13		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5	4.43	89		4.99	101		59-134	12		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.18	4.76	92		5.18	102		61-139	8		30
Perfluorododecanoic Acid (PFDoA)	ND	5.18	5.08	98		5.26	103		69-135	3		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.18	5.01	97		5.64	111		66-139	12		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.18	7.17	**138**	Q	8.55	**168**	Q	69-133	18		30

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 150TH ST STREET RI	***Lab Number:***	L2246011
Project Number:	41.0162951.10	***Report Date:***	09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04,06,08,10,14 QC Batch ID: WG1680090-3 WG1680090-4 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												

Surrogate (Extracted Internal Standard)	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	81		84		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	74		75		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**20**	Q	**19**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**15**	Q	**15**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	90		88		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	81		80		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		75		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	79		78		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	85		86		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	84		86		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	47		44		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		79		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	72		72		58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	92		91		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	81		80		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		102		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	85		85		74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 15,24,28,30,34,36,40,42,46 QC Batch ID: WG1680297-3 WG1680297-4 QC Sample: L2245831-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	0.046J	4.87	4.80	98		4.87	98		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	ND	4.87	4.52	93		4.76	97		69-132	5		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.32	4.49	104		4.60	106		72-128	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	4.57	5.06	111		5.12	111		62-145	1		30
Perfluorohexanoic Acid (PFHxA)	ND	4.87	4.63	95		4.54	93		70-132	2		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	4.58	4.57	100		5.14	111		73-123	12		30
Perfluoroheptanoic Acid (PFHpA)	ND	4.87	4.61	95		4.74	97		71-131	3		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.45	5.18	116		5.42	121		67-130	5		30
Perfluorooctanoic Acid (PFOA)	ND	4.87	4.65F	96		4.56	93		69-133	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.63	5.28	114		5.78	124		64-140	9		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.64	6.51	**140**	Q	6.26	**134**	Q	70-132	4		30
Perfluorononanoic Acid (PFNA)	ND	4.87	4.58	94		4.66	95		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.52	5.86	130		5.30	117		68-136	10		30
Perfluorodecanoic Acid (PFDA)	ND	4.87	4.81	99		4.66	95		69-133	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.67	4.70	101		4.65	99		65-137	1		30
Perfluorononanesulfonic Acid (PFNS)	ND	4.68	4.51	96		4.42	94		69-125	2		30
Perfluoroundecanoic Acid (PFUnA)	ND	4.87	5.47	112		5.69	116		64-136	4		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.7	5.13F	109		3.89	82		59-134	27		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	4.87	8.10F	**166**	Q	12.6F	**257**	Q	61-139	**43**	Q	30
Perfluorododecanoic Acid (PFDoA)	ND	4.87	5.30	109		5.24	107		69-135	1		30
Perfluorotridecanoic Acid (PFTrDA)	ND	4.87	3.05F	**63**	Q	3.74F	76		66-139	20		30
Perfluorotetradecanoic Acid (PFTA)	ND	4.87	2.99F	**61**	Q	7.28F	**149**	Q	69-133	**84**	Q	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 15,24,28,30,34,36,40,42,46 QC Batch ID: WG1680297-3 WG1680297-4 QC Sample: L2245831-03 Client ID: MS Sample

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	30		26		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	35		33		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	32		28		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	**1**	Q	**1**	Q	34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	**1**	Q	**1**	Q	31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	**30**	Q	**26**	Q	61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	**31**	Q	**31**	Q	75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	**32**	Q	**33**	Q	66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	**36**	Q	**35**	Q	71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	**40**	Q	**36**	Q	78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	**20**	Q	**20**	Q	54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	**4**	Q	**1**	Q	24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	**37**	Q	**35**	Q	61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	**41**	Q	**38**	Q	58-150
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	**28**	Q	**27**	Q	79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	**35**	Q	**37**	Q	75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	**34**	Q	**33**	Q	72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	**37**	Q	**34**	Q	74-139

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1680740-3 WG1680740-4 QC Sample: L2246010-03 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	12.8	37.2	48.6	96		48.6	97		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	31.6	37.2	65.0	90		65.3	92		63-161	0		30
Perfluorobutanesulfonic Acid (PFBS)	8.87	33.1	41.7	99		41.0	98		65-157	2		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	34.9	36.2	104		36.4	106		37-219	1		30
Perfluorohexanoic Acid (PFHxA)	26.8	37.2	60.4	90		59.8	90		69-168	1		30
Perfluoropentanesulfonic Acid (PFPeS)	0.620JF	35.1	35.1	98		35.5	101		52-156	1		30
Perfluoroheptanoic Acid (PFHpA)	16.4	37.2	51.1	93		50.4	92		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	12.0	34	49.7	111		49.6	112		69-177	0		30
Perfluorooctanoic Acid (PFOA)	41.4	37.2	72.1	82		73.7	88		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	35.4	40.1	113		40.1	115		49-187	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	35.5	39.8	112		36.2	103		61-179	9		30
Perfluorononanoic Acid (PFNA)	0.708JF	37.2	32.8	86		30.2	80		68-171	8		30
Perfluorooctanesulfonic Acid (PFOS)	5.18	34.6	38.8	97		37.7	95		52-151	3		30
Perfluorodecanoic Acid (PFDA)	ND	37.2	31.8	85		32.6	89		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	35.8	35.8	100		35.2	100		56-173	2		30
Perfluorononanesulfonic Acid (PFNS)	ND	35.8	33.8	94		32.6	92		48-150	4		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	37.2	40.0	107		53.2	145		60-166	28		30
Perfluoroundecanoic Acid (PFUnA)	ND	37.2	34.6	93		36.5	99		60-153	5		30
Perfluorodecanesulfonic Acid (PFDS)	ND	36	51.5	143		51.0	144		38-156	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	37.2	37.1	100		44.9	122		45-170	19		30
Perfluorododecanoic Acid (PFDoA)	ND	37.2	33.2	89		35.0	95		67-153	5		30
Perfluorotridecanoic Acid (PFTrDA)	ND	37.2	34.6	93		36.5	99		48-158	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1680740-3 WG1680740-4 QC Sample: L2246010-03 Client ID: MS Sample												
Perfluorotetradecanoic Acid (PFTA)	ND	37.2	33.7	90		37.1	101		59-182	10		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	114		120		10-162
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	**216**	Q	**204**	Q	12-142
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	**173**	Q	**163**	Q	14-147
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		69		27-126
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		58		24-116
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		113		55-137
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		100		62-124
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	63		68		57-129
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		82		60-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		103		71-134
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		106		48-131
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	132		116		22-136
Perfluoro[13C4]Butanoic Acid (MPFBA)	75		84		58-132
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		91		62-163
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		101		69-131
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		90		62-129
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	88		97		59-139
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	94		91		70-131

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 08,10,12 QC Batch ID: WG1681371-4 WG1681371-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
Acenaphthene	ND	1380	1000	72		1000	71		31-137	0		50
1,2,4-Trichlorobenzene	ND	1380	1000	72		1000	71		38-107	0		50
Hexachlorobenzene	ND	1380	1100	79		1100	78		40-140	0		50
Bis(2-chloroethyl)ether	ND	1380	970	70		970	69		40-140	0		50
2-Chloronaphthalene	ND	1380	1100	79		1100	78		40-140	0		50
1,2-Dichlorobenzene	ND	1380	980	71		1000	71		40-140	2		50
1,3-Dichlorobenzene	ND	1380	980	71		980	70		40-140	0		50
1,4-Dichlorobenzene	ND	1380	980	71		960	68		28-104	2		50
3,3'-Dichlorobenzidine	ND	1380	870	63		850	61		40-140	2		50
2,4-Dinitrotoluene	ND	1380	1100	79		1100	78		40-132	0		50
2,6-Dinitrotoluene	ND	1380	1100	79		1000	71		40-140	10		50
Fluoranthene	ND	1380	1100	79		1000	71		40-140	10		50
4-Chlorophenyl phenyl ether	ND	1380	1100	79		1100	78		40-140	0		50
4-Bromophenyl phenyl ether	ND	1380	1100	79		1000	71		40-140	10		50
Bis(2-chloroisopropyl)ether	ND	1380	760	55		770	55		40-140	1		50
Bis(2-chloroethoxy)methane	ND	1380	1000	72		980	70		40-117	2		50
Hexachlorobutadiene	ND	1380	1100	79		1100	78		40-140	0		50
Hexachlorocyclopentadiene	ND	1380	620	45		620	44		40-140	0		50
Hexachloroethane	ND	1380	1000	72		1000	71		40-140	0		50
Isophorone	ND	1380	950	69		940	67		40-140	1		50
Naphthalene	ND	1380	1000	72		1000	71		40-140	0		50
Nitrobenzene	ND	1380	1000	72		980	70		40-140	2		50
NDPA/DPA	ND	1380	1100	79		1000	71		36-157	10		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 08,10,12 QC Batch ID: WG1681371-4 WG1681371-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
n-Nitrosodi-n-propylamine	ND	1380	950	69		930	66		32-121	2		50
Bis(2-ethylhexyl)phthalate	ND	1380	1200	87		1200	86		40-140	0		50
Butyl benzyl phthalate	ND	1380	1100	79		1000	71		40-140	10		50
Di-n-butylphthalate	ND	1380	1100	79		1100	78		40-140	0		50
Di-n-octylphthalate	ND	1380	1200	87		1200	86		40-140	0		50
Diethyl phthalate	ND	1380	1100	79		1100	78		40-140	0		50
Dimethyl phthalate	ND	1380	1100	79		1000	71		40-140	10		50
Benzo(a)anthracene	ND	1380	1100	79		1100	78		40-140	0		50
Benzo(a)pyrene	ND	1380	1100	79		1100	78		40-140	0		50
Benzo(b)fluoranthene	ND	1380	1100	79		1100	78		40-140	0		50
Benzo(k)fluoranthene	ND	1380	1100	79		1000	71		40-140	10		50
Chrysene	ND	1380	1100	79		1100	78		40-140	0		50
Acenaphthylene	ND	1380	1100	79		1100	78		40-140	0		50
Anthracene	ND	1380	1100	79		1000	71		40-140	10		50
Benzo(ghi)perylene	ND	1380	1000	72		1000	71		40-140	0		50
Fluorene	ND	1380	1100	79		1100	78		40-140	0		50
Phenanthrene	ND	1380	1000	72		1000	71		40-140	0		50
Dibenzo(a,h)anthracene	ND	1380	1000	72		1000	71		40-140	0		50
Indeno(1,2,3-cd)pyrene	ND	1380	1100	79		1100	78		40-140	0		50
Pyrene	ND	1380	1000	72		1000	71		35-142	0		50
Biphenyl	ND	1380	1000	72		1000	71		37-127	0		50
4-Chloroaniline	ND	1380	770	56		670	48		40-140	14		50
2-Nitroaniline	ND	1380	1100	79		1000	71		47-134	10		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 08,10,12 QC Batch ID: WG1681371-4 WG1681371-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
3-Nitroaniline	ND	1380	880	64		890	63		26-129	1		50
4-Nitroaniline	ND	1380	1000	72		1000	71		41-125	0		50
Dibenzofuran	ND	1380	1100	79		1100	78		40-140	0		50
2-Methylnaphthalene	ND	1380	1100	79		1100	78		40-140	0		50
1,2,4,5-Tetrachlorobenzene	ND	1380	1100	79		1100	78		40-117	0		50
Acetophenone	ND	1380	960	69		960	68		14-144	0		50
2,4,6-Trichlorophenol	ND	1380	1100	79		1100	78		30-130	0		50
p-Chloro-m-cresol	ND	1380	1100	79		1000	71		26-103	10		50
2-Chlorophenol	ND	1380	1100	79		1000	71		25-102	10		50
2,4-Dichlorophenol	ND	1380	1100	79		1100	78		30-130	0		50
2,4-Dimethylphenol	ND	1380	1000	72		990	71		30-130	1		50
2-Nitrophenol	ND	1380	1000	72		1000	71		30-130	0		50
4-Nitrophenol	ND	1380	1100	79		1100	78		11-114	0		50
2,4-Dinitrophenol	ND	1380	820J	59		760J	54		4-130	8		50
4,6-Dinitro-o-cresol	ND	1380	1000	72		980	70		10-130	2		50
Pentachlorophenol	ND	1380	910	66		870	62		17-109	4		50
Phenol	ND	1380	960	69		960	68		26-90	0		50
2-Methylphenol	ND	1380	1000	72		1000	71		30-130.	0		50
3-Methylphenol/4-Methylphenol	ND	1380	1100	79		1100	78		30-130	0		50
2,4,5-Trichlorophenol	ND	1380	1100	79		1100	78		30-130	0		50
Benzoic Acid	ND	1380	330J	24		300J	21		10-110	10		50
Benzyl Alcohol	ND	1380	1000	72		1000	71		40-140	0		50
Carbazole	ND	1380	1100	79		1000	71		54-128	10		50

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 08,10,12 QC Batch ID: WG1681371-4 WG1681371-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
1,4-Dioxane	ND	1380	670	48		670	48		40-140	0		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
2,4,6-Tribromophenol	86		83		10-136
2-Fluorobiphenyl	81		79		30-120
2-Fluorophenol	81		79		25-120
4-Terphenyl-d14	77		75		18-120
Nitrobenzene-d5	74		72		23-120
Phenol-d6	81		79		10-120

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1683617-3 WG1683617-4 QC Sample: L2246343-02 Client ID: MS Sample												
Perfluorobutanoic Acid (PFBA)	ND	5.46	4.89	90		4.91	89		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	ND	5.46	4.68	86		4.73	85		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.85	4.42	91		4.48	91		72-128	1		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND	5.12	5.06	99		5.20	100		62-145	3		30
Perfluorohexanoic Acid (PFHxA)	ND	5.46	4.60	84		4.66	84		70-132	1		30
Perfluoropentanesulfonic Acid (PFPeS)	ND	5.15	4.68	91		4.76	91		73-123	2		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.46	4.82	88		4.86	88		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.99	5.10	102		5.13	101		67-130	1		30
Perfluorooctanoic Acid (PFOA)	ND	5.46	4.71	86		4.59	83		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	5.2	5.43	104		5.20	99		64-140	4		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	5.21	4.79	92		5.42	103		70-132	12		30
Perfluorononanoic Acid (PFNA)	ND	5.46	4.45	81		4.53	82		72-129	2		30
Perfluorooctanesulfonic Acid (PFOS)	ND	5.07	4.58	90		4.99	97		68-136	9		30
Perfluorodecanoic Acid (PFDA)	ND	5.46	4.35	80		4.30	78		69-133	1		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	5.24	6.05	115		5.65	106		65-137	7		30
Perfluorononanesulfonic Acid (PFNS)	ND	5.26	4.61	88		5.61	105		69-125	20		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.46	5.60	102		6.24	113		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.46	5.46	100		4.78	86		64-136	13		30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.28	6.98F	132		6.77	127		59-134	3		30
Perfluorooctanesulfonamide (FOSA)	ND	5.46	5.02	92		4.98	90		67-137	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.46	5.22	96		5.57	101		61-139	6		30
Perfluorododecanoic Acid (PFDoA)	ND	5.46	5.33	98		5.62	101		69-135	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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 Isotope Dilution - Mansfield Lab Associated sample(s): 04 QC Batch ID: WG1683617-3 WG1683617-4 QC Sample: L2246343-02 Client ID: MS Sample												
Perfluorotridecanoic Acid (PFTrDA)	ND	5.46	4.98	91		5.05F	91		66-139	1		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.46	5.05	92		4.88	88		69-133	3		30

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	87		90		19-175
1H,1H,2H,2H-Perfluoro[1,2-13C2]Hexanesulfonic Acid (M2-4:2FTS)	84		83		14-167
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	86		88		20-154
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		83		34-137
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		72		31-134
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		105		61-155
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		112		75-130
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		85		66-128
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	103		95		71-129
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97		100		78-139
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		92		54-150
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		95		24-159
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		96		61-135
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		105		58-150
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72		68		10-117
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		92		79-136
Perfluoro[13C8]Octanoic Acid (M8PFOA)	108		99		75-130
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		100		72-140
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	87		87		74-139

PETROLEUM HYDROCARBONS

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-17
Client ID: WC-09 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 11:47
Analyst: BAD
Percent Solids: 90%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1400	J	ug/kg	2700	52.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	104		70-130
4-Bromofluorobenzene	97		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-18
Client ID: WC-09
Sample Location: Not Specified

Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/31/22 14:38
Analyst: AL
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	505		mg/kg	24.5	24.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		40-140
o-Terphenyl	76		40-140

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-19
Client ID: WC-11 (6')
Sample Location: Not Specified

Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 12:18
Analyst: BAD
Percent Solids: 95%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1000	J	ug/kg	2500	48.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	96		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-20
Client ID: WC-11
Sample Location: Not Specified

Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/31/22 14:02
Analyst: AL
Percent Solids: 97%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	24.3	24.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		40-140
o-Terphenyl	66		40-140

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-21
Client ID: WC-13 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 12:49
Analyst: BAD
Percent Solids: 88%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	1200	J	ug/kg	2600	51.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	103		70-130
4-Bromofluorobenzene	98		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-22
Client ID: WC-13
Sample Location: Not Specified

Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 08/31/22 14:38
Analyst: AL
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 01:28

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	51.1		mg/kg	25.9	25.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	67		40-140
o-Terphenyl	67		40-140

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-49
Client ID: WC-10 (6')
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 08/30/22 17:04
Analyst: BAD
Percent Solids: 95%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	900	J	ug/kg	2600	50.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		70-130
4-Bromofluorobenzene	95		70-130

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-50
Client ID: WC-10
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 09/03/22 16:08
Analyst: JB
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/02/22 02:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	285		mg/kg	25.3	25.3	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	66		40-140
o-Terphenyl	65		40-140

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/26/22 10:42
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 17,19,21 Batch: WG1679592-14					
Gasoline Range Organics	840	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	99		70-130
4-Bromofluorobenzene	90		70-130

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 08/31/22 13:27
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 08/29/22 21:10

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 18,20,22 Batch: WG1681105-1					
Total EPH	ND		mg/kg	23.5	23.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	72		40-140

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 08/30/22 16:33
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 49 Batch: WG1681943-4					
Gasoline Range Organics	1100	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	104		70-130
4-Bromofluorobenzene	94		70-130

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 09/03/22 13:02
Analyst: AL

Extraction Method: EPA 3546
Extraction Date: 09/02/22 02:40

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 50 Batch: WG1682738-1					
Total EPH	ND		mg/kg	23.1	23.1

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 17,19,21		Batch: WG1679592-12 WG1679592-13					
Gasoline Range Organics	92		95		80-120	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	106		105		70-130
4-Bromofluorobenzene	95		95		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 18,20,22 Batch: WG1681105-2 WG1681105-3								
Total EPH	58		73		40-140	23		25
Nonane (C9)	58		66		40-140	13		25
Decane (C10)	58		66		40-140	13		25
Dodecane (C12)	60		66		40-140	10		25
Tetradecane (C14)	61		66		40-140	8		25
Hexadecane (C16)	62		67		40-140	8		25
Octadecane (C18)	61		65		40-140	6		25
Eicosane (C20)	61		65		40-140	6		25
Heneicosane (C21)	60		65		40-140	8		25
Docosane (C22)	59		64		40-140	8		25
Tetracosane (C24)	58		62		40-140	7		25
Hexacosane (C26)	56		61		40-140	9		25
Octacosane (C28)	55		60		40-140	9		25
Triacontane (C30)	56		61		40-140	9		25
Dotriacontane (C32)	56		61		40-140	9		25
Tetratriacontane (C34)	54		59		40-140	9		25
Hexatriacontane (C36)	55		61		40-140	10		25
Octatriacontane (C38)	54		60		40-140	11		25
Tetracontane (C40)	52		60		40-140	14		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 18,20,22		Batch: WG1681105-2 WG1681105-3					

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	58		61		40-140
o-Terphenyl	59		62		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 49		Batch: WG1681943-2 WG1681943-3					
Gasoline Range Organics	87		92		80-120	6		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	105		104		70-130
4-Bromofluorobenzene	93		93		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 50 Batch: WG1682738-2 WG1682738-3								
Total EPH	81		89		40-140	9		25
Nonane (C9)	79		88		40-140	11		25
Decane (C10)	81		90		40-140	11		25
Dodecane (C12)	80		92		40-140	14		25
Tetradecane (C14)	79		92		40-140	15		25
Hexadecane (C16)	80		92		40-140	14		25
Octadecane (C18)	78		88		40-140	12		25
Eicosane (C20)	77		86		40-140	11		25
Heneicosane (C21)	76		84		40-140	10		25
Docosane (C22)	74		82		40-140	10		25
Tetracosane (C24)	72		80		40-140	11		25
Hexacosane (C26)	69		76		40-140	10		25
Octacosane (C28)	68		75		40-140	10		25
Triacontane (C30)	68		75		40-140	10		25
Dotriacontane (C32)	68		75		40-140	10		25
Tetratriacontane (C34)	66		73		40-140	10		25
Hexatriacontane (C36)	66		72		40-140	9		25
Octatriacontane (C38)	66		73		40-140	10		25
Tetracontane (C40)	65		70		40-140	7		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 50 Batch: WG1682738-2 WG1682738-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	71		78		40-140
o-Terphenyl	74		82		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 18,20,22 QC Batch ID: WG1681105-4 QC Sample: L2244554-01 Client ID: MS Sample												
Total EPH	1480	272	1820	125		-	-		40-140	-		50
Nonane (C9)	ND	7.56	7.13	94		-	-		40-140	-		50
Decane (C10)	ND	7.56	7.79	103		-	-		40-140	-		50
Dodecane (C12)	ND	7.56	9.69	128		-	-		40-140	-		50
Tetradecane (C14)	ND	7.56	12.2	**161**	Q	-	-		40-140	-		50
Hexadecane (C16)	1.90	7.56	10.9	119		-	-		40-140	-		50
Octadecane (C18)	ND	7.56	8.16	108		-	-		40-140	-		50
Eicosane (C20)	ND	7.56	7.18	95		-	-		40-140	-		50
Heneicosane (C21)	ND	7.56	6.36	84		-	-		40-140	-		50
Docosane (C22)	ND	7.56	6.28	83		-	-		40-140	-		50
Tetracosane (C24)	ND	7.56	6.24	83		-	-		40-140	-		50
Hexacosane (C26)	ND	7.56	6.24	83		-	-		40-140	-		50
Octacosane (C28)	ND	7.56	6.96	92		-	-		40-140	-		50
Triacontane (C30)	ND	7.56	6.45	85		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.56	6.26	83		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.56	6.20	82		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.56	6.51	86		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.56	6.56	87		-	-		40-140	-		50
Tetracontane (C40)	ND	7.56	6.76	89		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	73				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 150TH ST STREET RI	***Lab Number:***	L2246011
Project Number:	41.0162951.10	***Report Date:***	09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 18,20,22 QC Batch ID: WG1681105-4 QC Sample: L2244554-01 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
o-Terphenyl	87				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 49 QC Batch ID: WG1681943-6 QC Sample: L2246011-49 Client ID: WC-10 (6')												
Gasoline Range Organics	900J	20700	20000	95		-	-		80-120	-		20

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	100				70-130
4-Bromofluorobenzene	93				70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 50 QC Batch ID: WG1682738-4 QC Sample: L2246761-04 Client ID: MS Sample												
Total EPH	ND	303	262	86		-	-		40-140	-		50
Nonane (C9)	ND	8.43	6.93	82		-	-		40-140	-		50
Decane (C10)	ND	8.43	7.07	84		-	-		40-140	-		50
Dodecane (C12)	ND	8.43	7.00	83		-	-		40-140	-		50
Tetradecane (C14)	ND	8.43	7.11	84		-	-		40-140	-		50
Hexadecane (C16)	ND	8.43	7.29	87		-	-		40-140	-		50
Octadecane (C18)	ND	8.43	7.07	84		-	-		40-140	-		50
Eicosane (C20)	ND	8.43	6.98	83		-	-		40-140	-		50
Heneicosane (C21)	ND	8.43	6.90	82		-	-		40-140	-		50
Docosane (C22)	ND	8.43	6.74	80		-	-		40-140	-		50
Tetracosane (C24)	ND	8.43	6.56	78		-	-		40-140	-		50
Hexacosane (C26)	ND	8.43	6.31	75		-	-		40-140	-		50
Octacosane (C28)	ND	8.43	6.23	74		-	-		40-140	-		50
Triacontane (C30)	ND	8.43	6.22	74		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.43	6.21	74		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.43	6.02	71		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.43	6.02	71		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.43	6.09	72		-	-		40-140	-		50
Tetracontane (C40)	ND	8.43	6.02	71		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	74				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name:	101 E 150TH ST STREET RI	***Lab Number:***	L2246011
Project Number:	41.0162951.10	***Report Date:***	09/19/22

Parameter	*Native Sample*	*MS Added*	*MS Found*	*MS %Recovery*	*Qual*	*MSD Found*	*MSD %Recovery*	*Qual*	*Recovery Limits*	*RPD*	*Qual*	*RPD Limits*
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab	Associated sample(s): 50		QC Batch ID: WG1682738-4				QC Sample: L2246761-04		Client ID: MS Sample			

Surrogate	*MS % Recovery*	*MS Qualifier*	*MSD % Recovery*	*MSD Qualifier*	*Acceptance Criteria*
o-Terphenyl	77				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 18,20,22 QC Batch ID: WG1681105-5 QC Sample: L2244554-01 Client ID: DUP Sample						
Total EPH	1480	1830	mg/kg	21		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	73		79		40-140
o-Terphenyl	86		96		40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 49 QC Batch ID: WG1681943-5 QC Sample: L2246011-49 Client ID: WC-10 (6')						
Gasoline Range Organics	900J	870J	ug/kg	NC		20

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	101		103		70-130
4-Bromofluorobenzene	95		97		70-130

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 50 QC Batch ID: WG1682738-5 QC Sample: L2246761-04 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		70		40-140
o-Terphenyl	73		74		40-140

PCBS

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 09:06
Analyst: JM
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	42.6	3.78	1	A
Aroclor 1221	ND		ug/kg	42.6	4.26	1	A
Aroclor 1232	ND		ug/kg	42.6	9.02	1	A
Aroclor 1242	ND		ug/kg	42.6	5.74	1	A
Aroclor 1248	ND		ug/kg	42.6	6.38	1	A
Aroclor 1254	ND		ug/kg	42.6	4.66	1	A
Aroclor 1260	ND		ug/kg	42.6	7.87	1	A
Aroclor 1262	ND		ug/kg	42.6	5.41	1	A
Aroclor 1268	ND		ug/kg	42.6	4.41	1	A
PCBs, Total	ND		ug/kg	42.6	3.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 09:13
Analyst: JM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.4	3.06	1	A
Aroclor 1221	ND		ug/kg	34.4	3.45	1	A
Aroclor 1232	ND		ug/kg	34.4	7.30	1	A
Aroclor 1242	ND		ug/kg	34.4	4.64	1	A
Aroclor 1248	ND		ug/kg	34.4	5.17	1	A
Aroclor 1254	ND		ug/kg	34.4	3.77	1	A
Aroclor 1260	ND		ug/kg	34.4	6.36	1	A
Aroclor 1262	ND		ug/kg	34.4	4.37	1	A
Aroclor 1268	ND		ug/kg	34.4	3.57	1	A
PCBs, Total	ND		ug/kg	34.4	3.06	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 16:26
Analyst: MEO
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.48	1	A
Aroclor 1232	ND		ug/kg	34.8	7.37	1	A
Aroclor 1242	ND		ug/kg	34.8	4.68	1	A
Aroclor 1248	ND		ug/kg	34.8	5.21	1	A
Aroclor 1254	ND		ug/kg	34.8	3.80	1	A
Aroclor 1260	ND		ug/kg	34.8	6.42	1	A
Aroclor 1262	ND		ug/kg	34.8	4.41	1	A
Aroclor 1268	ND		ug/kg	34.8	3.60	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	67		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 17:04
Analyst: MEO
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.7	3.17	1	A
Aroclor 1221	ND		ug/kg	35.7	3.58	1	A
Aroclor 1232	ND		ug/kg	35.7	7.57	1	A
Aroclor 1242	ND		ug/kg	35.7	4.81	1	A
Aroclor 1248	ND		ug/kg	35.7	5.35	1	A
Aroclor 1254	ND		ug/kg	35.7	3.90	1	A
Aroclor 1260	ND		ug/kg	35.7	6.60	1	A
Aroclor 1262	ND		ug/kg	35.7	4.53	1	A
Aroclor 1268	ND		ug/kg	35.7	3.70	1	A
PCBs, Total	ND		ug/kg	35.7	3.17	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 09:21
Analyst: JM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.8	3.09	1	A
Aroclor 1221	ND		ug/kg	34.8	3.49	1	A
Aroclor 1232	ND		ug/kg	34.8	7.38	1	A
Aroclor 1242	ND		ug/kg	34.8	4.69	1	A
Aroclor 1248	ND		ug/kg	34.8	5.22	1	A
Aroclor 1254	ND		ug/kg	34.8	3.81	1	A
Aroclor 1260	ND		ug/kg	34.8	6.43	1	A
Aroclor 1262	ND		ug/kg	34.8	4.42	1	A
Aroclor 1268	ND		ug/kg	34.8	3.61	1	A
PCBs, Total	ND		ug/kg	34.8	3.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 08/31/22 09:29
Analyst: JM
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/30/22 00:08
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.6	3.08	1	A
Aroclor 1221	ND		ug/kg	34.6	3.47	1	A
Aroclor 1232	ND		ug/kg	34.6	7.34	1	A
Aroclor 1242	ND		ug/kg	34.6	4.67	1	A
Aroclor 1248	ND		ug/kg	34.6	5.20	1	A
Aroclor 1254	ND		ug/kg	34.6	3.79	1	A
Aroclor 1260	ND		ug/kg	34.6	6.40	1	A
Aroclor 1262	ND		ug/kg	34.6	4.40	1	A
Aroclor 1268	ND		ug/kg	34.6	3.59	1	A
PCBs, Total	ND		ug/kg	34.6	3.08	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	62		30-150	A
Decachlorobiphenyl	56		30-150	A
2,4,5,6-Tetrachloro-m-xylene	61		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:05
Analyst: JM
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.4	3.67	1	A
Aroclor 1221	ND		ug/kg	41.4	4.14	1	A
Aroclor 1232	ND		ug/kg	41.4	8.77	1	A
Aroclor 1242	ND		ug/kg	41.4	5.58	1	A
Aroclor 1248	ND		ug/kg	41.4	6.20	1	A
Aroclor 1254	ND		ug/kg	41.4	4.52	1	A
Aroclor 1260	ND		ug/kg	41.4	7.64	1	A
Aroclor 1262	ND		ug/kg	41.4	5.25	1	A
Aroclor 1268	ND		ug/kg	41.4	4.28	1	A
PCBs, Total	ND		ug/kg	41.4	3.67	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	60		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	148		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:12
Analyst: JM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.80	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	ND		ug/kg	36.8	4.02	1	A
Aroclor 1260	ND		ug/kg	36.8	6.80	1	A
Aroclor 1262	ND		ug/kg	36.8	4.67	1	A
Aroclor 1268	ND		ug/kg	36.8	3.81	1	A
PCBs, Total	ND		ug/kg	36.8	3.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		30-150	A
Decachlorobiphenyl	61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:20
Analyst: JM
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.11	1	A
Aroclor 1221	ND		ug/kg	35.1	3.51	1	A
Aroclor 1232	ND		ug/kg	35.1	7.44	1	A
Aroclor 1242	ND		ug/kg	35.1	4.73	1	A
Aroclor 1248	ND		ug/kg	35.1	5.26	1	A
Aroclor 1254	ND		ug/kg	35.1	3.84	1	A
Aroclor 1260	ND		ug/kg	35.1	6.48	1	A
Aroclor 1262	ND		ug/kg	35.1	4.45	1	A
Aroclor 1268	ND		ug/kg	35.1	3.63	1	A
PCBs, Total	ND		ug/kg	35.1	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:44
Analyst: JM
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	34.1	3.02	1	A
Aroclor 1221	ND		ug/kg	34.1	3.41	1	A
Aroclor 1232	ND		ug/kg	34.1	7.22	1	A
Aroclor 1242	ND		ug/kg	34.1	4.59	1	A
Aroclor 1248	ND		ug/kg	34.1	5.11	1	A
Aroclor 1254	ND		ug/kg	34.1	3.73	1	A
Aroclor 1260	ND		ug/kg	34.1	6.29	1	A
Aroclor 1262	ND		ug/kg	34.1	4.32	1	A
Aroclor 1268	ND		ug/kg	34.1	3.53	1	A
PCBs, Total	ND		ug/kg	34.1	3.02	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	66		30-150	B
Decachlorobiphenyl	62		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:28
Analyst: JM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.0	3.20	1	A
Aroclor 1221	ND		ug/kg	36.0	3.61	1	A
Aroclor 1232	ND		ug/kg	36.0	7.64	1	A
Aroclor 1242	ND		ug/kg	36.0	4.86	1	A
Aroclor 1248	ND		ug/kg	36.0	5.40	1	A
Aroclor 1254	ND		ug/kg	36.0	3.94	1	A
Aroclor 1260	ND		ug/kg	36.0	6.66	1	A
Aroclor 1262	ND		ug/kg	36.0	4.58	1	A
Aroclor 1268	ND		ug/kg	36.0	3.73	1	A
PCBs, Total	ND		ug/kg	36.0	3.20	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 19:52
Analyst: JM
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.0	3.11	1	A
Aroclor 1221	ND		ug/kg	35.0	3.51	1	A
Aroclor 1232	ND		ug/kg	35.0	7.42	1	A
Aroclor 1242	ND		ug/kg	35.0	4.72	1	A
Aroclor 1248	ND		ug/kg	35.0	5.25	1	A
Aroclor 1254	ND		ug/kg	35.0	3.83	1	A
Aroclor 1260	ND		ug/kg	35.0	6.47	1	A
Aroclor 1262	ND		ug/kg	35.0	4.45	1	A
Aroclor 1268	ND		ug/kg	35.0	3.63	1	A
PCBs, Total	ND		ug/kg	35.0	3.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	58		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	57		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/02/22 09:49
Analyst: JM
Percent Solids: 93%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.4	3.14	1	A
Aroclor 1221	ND		ug/kg	35.4	3.54	1	A
Aroclor 1232	ND		ug/kg	35.4	7.50	1	A
Aroclor 1242	ND		ug/kg	35.4	4.77	1	A
Aroclor 1248	ND		ug/kg	35.4	5.30	1	A
Aroclor 1254	ND		ug/kg	35.4	3.87	1	A
Aroclor 1260	ND		ug/kg	35.4	6.53	1	A
Aroclor 1262	ND		ug/kg	35.4	4.49	1	A
Aroclor 1268	ND		ug/kg	35.4	3.66	1	A
PCBs, Total	ND		ug/kg	35.4	3.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		30-150	A
Decachlorobiphenyl	50		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	47		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/01/22 20:00
Analyst: JM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 03:47
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.5	3.24	1	A
Aroclor 1221	ND		ug/kg	36.5	3.66	1	A
Aroclor 1232	ND		ug/kg	36.5	7.74	1	A
Aroclor 1242	ND		ug/kg	36.5	4.92	1	A
Aroclor 1248	ND		ug/kg	36.5	5.48	1	A
Aroclor 1254	ND		ug/kg	36.5	4.00	1	A
Aroclor 1260	ND		ug/kg	36.5	6.75	1	A
Aroclor 1262	ND		ug/kg	36.5	4.64	1	A
Aroclor 1268	ND		ug/kg	36.5	3.78	1	A
PCBs, Total	ND		ug/kg	36.5	3.24	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	55		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 09/04/22 15:39
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 17:07
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/22

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	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/30/22 07:12
Analyst: MEO

Extraction Method: EPA 3546
Extraction Date: 08/29/22 14:56
Cleanup Method: EPA 3665A
Cleanup Date: 08/30/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/30/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 04,06,14-15 Batch: WG1680991-1						
Aroclor 1016	ND		ug/kg	31.4	2.79	A
Aroclor 1221	ND		ug/kg	31.4	3.14	A
Aroclor 1232	ND		ug/kg	31.4	6.65	A
Aroclor 1242	ND		ug/kg	31.4	4.23	A
Aroclor 1248	ND		ug/kg	31.4	4.71	A
Aroclor 1254	ND		ug/kg	31.4	3.43	A
Aroclor 1260	ND		ug/kg	31.4	5.80	A
Aroclor 1262	ND		ug/kg	31.4	3.99	A
Aroclor 1268	ND		ug/kg	31.4	3.25	A
PCBs, Total	ND		ug/kg	31.4	2.79	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	66		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 08/31/22 10:14
Analyst: ER

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:10
Cleanup Method: EPA 3665A
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 08,10 Batch: WG1681676-1						
Aroclor 1016	ND		ug/kg	32.7	2.90	A
Aroclor 1221	ND		ug/kg	32.7	3.28	A
Aroclor 1232	ND		ug/kg	32.7	6.94	A
Aroclor 1242	ND		ug/kg	32.7	4.41	A
Aroclor 1248	ND		ug/kg	32.7	4.91	A
Aroclor 1254	ND		ug/kg	32.7	3.58	A
Aroclor 1260	ND		ug/kg	32.7	6.05	A
Aroclor 1262	ND		ug/kg	32.7	4.16	A
Aroclor 1268	ND		ug/kg	32.7	3.39	A
PCBs, Total	ND		ug/kg	32.7	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	57		30-150	B
Decachlorobiphenyl	51		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/01/22 20:08
Analyst: JM

Extraction Method: EPA 3546
Extraction Date: 08/31/22 22:36
Cleanup Method: EPA 3665A
Cleanup Date: 09/01/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/01/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682175-1						
Aroclor 1016	ND		ug/kg	32.5	2.88	A
Aroclor 1221	ND		ug/kg	32.5	3.26	A
Aroclor 1232	ND		ug/kg	32.5	6.89	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.87	A
Aroclor 1254	ND		ug/kg	32.5	3.55	A
Aroclor 1260	ND		ug/kg	32.5	6.00	A
Aroclor 1262	ND		ug/kg	32.5	4.13	A
Aroclor 1268	ND		ug/kg	32.5	3.36	A
PCBs, Total	ND		ug/kg	32.5	2.88	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/04/22 11:22
Analyst: JM

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 16:03
Cleanup Method: EPA 3665A
Cleanup Date: 09/03/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/03/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 47 Batch: WG1683090-1						
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	88		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	91		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 04,06,14-15 Batch: WG1680991-2 WG1680991-3									
Aroclor 1016	72		77		40-140	7		50	A
Aroclor 1260	62		65		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		81		30-150	A
Decachlorobiphenyl	68		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		78		30-150	B
Decachlorobiphenyl	61		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 08,10 Batch: WG1681676-2 WG1681676-3									
Aroclor 1016	56		54		40-140	4		50	A
Aroclor 1260	51		50		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	56		54		30-150	A
Decachlorobiphenyl	51		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		55		30-150	B
Decachlorobiphenyl	43		42		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682175-2 WG1682175-3									
Aroclor 1016	65		66		40-140	2		50	A
Aroclor 1260	57		58		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		69		30-150	A
Decachlorobiphenyl	59		62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		68		30-150	B
Decachlorobiphenyl	55		57		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 47 Batch: WG1683090-2 WG1683090-3									
Aroclor 1016	82		94		40-140	13		50	A
Aroclor 1260	86		95		40-140	11		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		95		30-150	A
Decachlorobiphenyl	83		92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		94		30-150	B
Decachlorobiphenyl	87		99		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 08,10 QC Batch ID: WG1681676-4 WG1681676-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')													
Aroclor 1016	ND	212	111	52		142	65		40-140	25		50	A
Aroclor 1260	ND	212	88.1	42		114	52		40-140	26		50	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	55		65		30-150	A
Decachlorobiphenyl	42		52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	55		66		30-150	B
Decachlorobiphenyl	46		57		30-150	B

PESTICIDES

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:23
Analyst: MMG
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.09	0.409	1	A
Lindane	ND		ug/kg	0.870	0.389	1	A
Alpha-BHC	ND		ug/kg	0.870	0.247	1	A
Beta-BHC	ND		ug/kg	2.09	0.791	1	A
Heptachlor	ND		ug/kg	1.04	0.468	1	A
Aldrin	ND		ug/kg	2.09	0.735	1	A
Heptachlor epoxide	ND		ug/kg	3.91	1.17	1	A
Endrin	ND		ug/kg	0.870	0.356	1	A
Endrin aldehyde	ND		ug/kg	2.61	0.913	1	A
Endrin ketone	ND		ug/kg	2.09	0.537	1	A
Dieldrin	ND		ug/kg	1.30	0.652	1	A
4,4'-DDE	ND		ug/kg	2.09	0.483	1	A
4,4'-DDD	ND		ug/kg	2.09	0.744	1	A
4,4'-DDT	ND		ug/kg	2.09	1.68	1	A
Endosulfan I	ND		ug/kg	2.09	0.493	1	A
Endosulfan II	ND		ug/kg	2.09	0.698	1	A
Endosulfan sulfate	ND		ug/kg	0.870	0.414	1	A
Methoxychlor	ND		ug/kg	3.91	1.22	1	A
Toxaphene	ND		ug/kg	39.1	11.0	1	A
cis-Chlordane	ND		ug/kg	2.61	0.727	1	A
trans-Chlordane	ND		ug/kg	2.61	0.689	1	A
Chlordane	ND		ug/kg	17.4	6.91	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04 Date Collected: 08/24/22 14:10

Client ID: SB-24 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	110		30-150	A
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/28/22 23:43
Analyst: EJL
Percent Solids: 75%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	220	13.9	1	A
2,4,5-T	ND		ug/kg	220	6.83	1	A
2,4,5-TP (Silvex)	ND		ug/kg	220	5.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	105		30-150	A
DCAA	98		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:34
Analyst: MMG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

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	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.839	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.699	0.287	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	1.40	J	ug/kg	1.68	0.388	1	B
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.81	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06 Date Collected: 08/24/22 14:30

Client ID: SB-28 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	90		30-150	A
Decachlorobiphenyl	113		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	130		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 00:01
Analyst: EJL
Percent Solids: 94%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.8	1	A
2,4,5-T	ND		ug/kg	172	5.34	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.58	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	100		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 12:07
Analyst: MMG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

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	0.699	0.312	1	A
Alpha-BHC	ND		ug/kg	0.699	0.199	1	A
Beta-BHC	ND		ug/kg	1.68	0.636	1	A
Heptachlor	ND		ug/kg	0.839	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.944	1	A
Endrin	ND		ug/kg	0.699	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.734	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.524	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.396	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.699	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.979	1	A
Toxaphene	ND		ug/kg	31.5	8.81	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08 Date Collected: 08/24/22 14:35

Client ID: SB-28 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	124		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	121		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 00:20
Analyst: EJL
Percent Solids: 94%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 17:20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	174	11.0	1	A
2,4,5-T	ND		ug/kg	174	5.39	1	A
2,4,5-TP (Silvex)	ND		ug/kg	174	4.63	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	107		30-150	A
DCAA	101		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:45
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

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	0.400	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10 Date Collected: 08/24/22 15:10

Client ID: SB-26 (1-3') Date Received: 08/24/22

Sample Location: Not Specified 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	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	**214**	Q	30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/28/22 15:21
Analyst: AKM
Percent Solids: 91%
Methylation Date: 08/27/22 07:00

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 06:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.65	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	113		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 13:56
Analyst: MMG
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

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	0.376	1	A
Aldrin	ND		ug/kg	1.68	0.591	1	A
Heptachlor epoxide	ND		ug/kg	3.15	0.945	1	A
Endrin	ND		ug/kg	0.700	0.287	1	A
Endrin aldehyde	ND		ug/kg	2.10	0.735	1	A
Endrin ketone	ND		ug/kg	1.68	0.432	1	A
Dieldrin	ND		ug/kg	1.05	0.525	1	A
4,4'-DDE	ND		ug/kg	1.68	0.388	1	A
4,4'-DDD	ND		ug/kg	1.68	0.599	1	A
4,4'-DDT	ND		ug/kg	1.68	1.35	1	A
Endosulfan I	ND		ug/kg	1.68	0.397	1	A
Endosulfan II	ND		ug/kg	1.68	0.561	1	A
Endosulfan sulfate	ND		ug/kg	0.700	0.333	1	A
Methoxychlor	ND		ug/kg	3.15	0.980	1	A
Toxaphene	ND		ug/kg	31.5	8.82	1	A
cis-Chlordane	ND		ug/kg	2.10	0.585	1	A
trans-Chlordane	ND		ug/kg	2.10	0.554	1	A
Chlordane	ND		ug/kg	14.0	5.56	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14 Date Collected: 08/24/22 15:20

Client ID: SB-26 (8-10') Date Received: 08/24/22

Sample Location: Not Specified 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	115		30-150	A
2,4,5,6-Tetrachloro-m-xylene	94		30-150	B
Decachlorobiphenyl	124		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/28/22 15:58
Analyst: EJL
Percent Solids: 94%
Methylation Date: 08/27/22 07:00

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 06:37

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.38	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	121		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 08/31/22 14:07
Analyst: MMG
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:26
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.66	0.325	1	A
Lindane	ND		ug/kg	0.692	0.309	1	A
Alpha-BHC	ND		ug/kg	0.692	0.196	1	A
Beta-BHC	ND		ug/kg	1.66	0.629	1	A
Heptachlor	ND		ug/kg	0.830	0.372	1	A
Aldrin	ND		ug/kg	1.66	0.584	1	A
Heptachlor epoxide	ND		ug/kg	3.11	0.934	1	A
Endrin	ND		ug/kg	0.692	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.07	0.726	1	A
Endrin ketone	ND		ug/kg	1.66	0.427	1	A
Dieldrin	ND		ug/kg	1.04	0.519	1	A
4,4'-DDE	ND		ug/kg	1.66	0.384	1	A
4,4'-DDD	ND		ug/kg	1.66	0.592	1	A
4,4'-DDT	ND		ug/kg	1.66	1.33	1	A
Endosulfan I	ND		ug/kg	1.66	0.392	1	A
Endosulfan II	ND		ug/kg	1.66	0.555	1	A
Endosulfan sulfate	ND		ug/kg	0.692	0.329	1	A
Methoxychlor	ND		ug/kg	3.11	0.968	1	A
Toxaphene	ND		ug/kg	31.1	8.71	1	A
cis-Chlordane	ND		ug/kg	2.07	0.578	1	A
trans-Chlordane	ND		ug/kg	2.07	0.548	1	A
Chlordane	ND		ug/kg	13.8	5.50	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15 Date Collected: 08/24/22 00:00

Client ID: DUP-SOIL-8.24.22 Date Received: 08/24/22

Sample Location: Not Specified 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	125		30-150	A
2,4,5,6-Tetrachloro-m-xylene	102		30-150	B
Decachlorobiphenyl	**153**	Q	30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/29/22 01:15
Analyst: EJL
Percent Solids: 91%
Methylation Date: 08/27/22 19:47

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 19:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	178	11.2	1	A
2,4,5-T	ND		ug/kg	178	5.52	1	A
2,4,5-TP (Silvex)	ND		ug/kg	178	4.74	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	102		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 12:03
Analyst: AR
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.377	1	A
Lindane	ND		ug/kg	0.802	0.358	1	A
Alpha-BHC	ND		ug/kg	0.802	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.730	1	A
Heptachlor	ND		ug/kg	0.962	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.678	1	A
Heptachlor epoxide	ND		ug/kg	3.61	1.08	1	A
Endrin	ND		ug/kg	0.802	0.329	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.842	1	A
Endrin ketone	ND		ug/kg	1.92	0.496	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	1.92	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.455	1	A
Endosulfan II	ND		ug/kg	1.92	0.643	1	A
Endosulfan sulfate	ND		ug/kg	0.802	0.382	1	A
Methoxychlor	ND		ug/kg	3.61	1.12	1	A
Toxaphene	ND		ug/kg	36.1	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.635	1	A
Chlordane	ND		ug/kg	16.0	6.37	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24 Date Collected: 08/25/22 08:45

Client ID: SB-25 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	88		30-150	A
Decachlorobiphenyl	114		30-150	A
2,4,5,6-Tetrachloro-m-xylene	119		30-150	B
Decachlorobiphenyl	**290**	Q	30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 10:26
Analyst: AKM
Percent Solids: 80%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	202	12.7	1	A
2,4,5-T	ND		ug/kg	202	6.27	1	A
2,4,5-TP (Silvex)	ND		ug/kg	202	5.38	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	110		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 11:08
Analyst: AR
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

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	0.734	0.328	1	A
Alpha-BHC	ND		ug/kg	0.734	0.208	1	A
Beta-BHC	ND		ug/kg	1.76	0.668	1	A
Heptachlor	ND		ug/kg	0.881	0.395	1	A
Aldrin	ND		ug/kg	1.76	0.620	1	A
Heptachlor epoxide	ND		ug/kg	3.30	0.991	1	A
Endrin	ND		ug/kg	0.734	0.301	1	A
Endrin aldehyde	ND		ug/kg	2.20	0.771	1	A
Endrin ketone	ND		ug/kg	1.76	0.454	1	A
Dieldrin	ND		ug/kg	1.10	0.550	1	A
4,4'-DDE	ND		ug/kg	1.76	0.407	1	A
4,4'-DDD	ND		ug/kg	1.76	0.628	1	A
4,4'-DDT	ND		ug/kg	1.76	1.42	1	A
Endosulfan I	ND		ug/kg	1.76	0.416	1	A
Endosulfan II	ND		ug/kg	1.76	0.589	1	A
Endosulfan sulfate	ND		ug/kg	0.734	0.349	1	A
Methoxychlor	ND		ug/kg	3.30	1.03	1	A
Toxaphene	ND		ug/kg	33.0	9.25	1	A
cis-Chlordane	ND		ug/kg	2.20	0.614	1	A
trans-Chlordane	ND		ug/kg	2.20	0.581	1	A
Chlordane	ND		ug/kg	14.7	5.84	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28 Date Collected: 08/25/22 08:55

Client ID: SB-25 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	86		30-150	A
Decachlorobiphenyl	96		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 11:21
Analyst: AKM
Percent Solids: 89%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	186	11.7	1	A
2,4,5-T	ND		ug/kg	186	5.75	1	A
2,4,5-TP (Silvex)	ND		ug/kg	186	4.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	75		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 11:19
Analyst: AR
Percent Solids: 92%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

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	2.11		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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30 Date Collected: 08/25/22 10:20

Client ID: SB-17 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	105		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 10:45
Analyst: AKM
Percent Solids: 92%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.3	1	A
2,4,5-T	ND		ug/kg	180	5.56	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.78	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	90		30-150	A
DCAA	98		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 11:30
Analyst: AR
Percent Solids: 94%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

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	0.694	0.310	1	A
Alpha-BHC	ND		ug/kg	0.694	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	0.694	0.284	1	A
Endrin aldehyde	ND		ug/kg	2.08	0.728	1	A
Endrin ketone	ND		ug/kg	1.66	0.429	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	B
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	0.694	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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34 Date Collected: 08/25/22 10:30

Client ID: SB-17 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	90		30-150	A
Decachlorobiphenyl	88		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	102		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 11:03
Analyst: AKM
Percent Solids: 94%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	172	10.8	1	A
2,4,5-T	ND		ug/kg	172	5.33	1	A
2,4,5-TP (Silvex)	ND		ug/kg	172	4.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	86		30-150	A
DCAA	89		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 12:14
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/03/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.68	0.330	1	B
Lindane	ND		ug/kg	0.702	0.314	1	B
Alpha-BHC	ND		ug/kg	0.702	0.199	1	B
Beta-BHC	ND		ug/kg	1.68	0.639	1	B
Heptachlor	ND		ug/kg	0.843	0.378	1	B
Aldrin	ND		ug/kg	1.68	0.593	1	B
Heptachlor epoxide	ND		ug/kg	3.16	0.948	1	B
Endrin	ND		ug/kg	0.702	0.288	1	B
Endrin aldehyde	ND		ug/kg	2.11	0.737	1	B
Endrin ketone	ND		ug/kg	1.68	0.434	1	B
Dieldrin	ND		ug/kg	1.05	0.527	1	B
4,4'-DDE	1.28	JP	ug/kg	1.68	0.390	1	B
4,4'-DDD	ND		ug/kg	1.68	0.601	1	B
4,4'-DDT	ND		ug/kg	1.68	1.36	1	B
Endosulfan I	ND		ug/kg	1.68	0.398	1	B
Endosulfan II	ND		ug/kg	1.68	0.563	1	B
Endosulfan sulfate	ND		ug/kg	0.702	0.334	1	B
Methoxychlor	ND		ug/kg	3.16	0.983	1	B
Toxaphene	ND		ug/kg	31.6	8.85	1	B
cis-Chlordane	ND		ug/kg	2.11	0.587	1	B
trans-Chlordane	ND		ug/kg	2.11	0.556	1	B
Chlordane	ND		ug/kg	14.0	5.58	1	B

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36 Date Collected: 08/25/22 11:05

Client ID: SB-19 (1-3') Date Received: 08/25/22

Sample Location: Not Specified 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	**20**	Q	30-150	A
Decachlorobiphenyl	**7**	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	134		30-150	B
Decachlorobiphenyl	**341**	Q	30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 11:58
Analyst: EJL
Percent Solids: 90%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.4	1	A
2,4,5-T	ND		ug/kg	180	5.59	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.80	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	112		30-150	A
DCAA	112		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 12:25
Analyst: AR
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.71	0.336	1	A
Lindane	ND		ug/kg	0.714	0.319	1	A
Alpha-BHC	ND		ug/kg	0.714	0.203	1	A
Beta-BHC	ND		ug/kg	1.71	0.650	1	A
Heptachlor	ND		ug/kg	0.857	0.384	1	A
Aldrin	ND		ug/kg	1.71	0.603	1	A
Heptachlor epoxide	ND		ug/kg	3.21	0.964	1	A
Endrin	ND		ug/kg	0.714	0.293	1	A
Endrin aldehyde	ND		ug/kg	2.14	0.750	1	A
Endrin ketone	ND		ug/kg	1.71	0.441	1	A
Dieldrin	ND		ug/kg	1.07	0.535	1	A
4,4'-DDE	ND		ug/kg	1.71	0.396	1	A
4,4'-DDD	ND		ug/kg	1.71	0.611	1	A
4,4'-DDT	ND		ug/kg	1.71	1.38	1	A
Endosulfan I	ND		ug/kg	1.71	0.405	1	A
Endosulfan II	ND		ug/kg	1.71	0.572	1	A
Endosulfan sulfate	ND		ug/kg	0.714	0.340	1	A
Methoxychlor	ND		ug/kg	3.21	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	0.565	1	A
Chlordane	ND		ug/kg	14.3	5.68	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40 Date Collected: 08/25/22 11:15

Client ID: SB-19 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 12:17
Analyst: EJL
Percent Solids: 90%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	180	11.4	1	A
2,4,5-T	ND		ug/kg	180	5.59	1	A
2,4,5-TP (Silvex)	ND		ug/kg	180	4.79	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	84		30-150	A
DCAA	83		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 12:35
Analyst: EJL
Percent Solids: 93%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	173	10.9	1	A
2,4,5-T	ND		ug/kg	173	5.37	1	A
2,4,5-TP (Silvex)	ND		ug/kg	173	4.61	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	95		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 D
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 11:41
Analyst: AR
Percent Solids: 93%

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	8.10	1.59	5	A
Lindane	ND		ug/kg	3.38	1.51	5	A
Alpha-BHC	ND		ug/kg	3.38	0.959	5	A
Beta-BHC	ND		ug/kg	8.10	3.07	5	A
Heptachlor	ND		ug/kg	4.05	1.82	5	A
Aldrin	ND		ug/kg	8.10	2.85	5	A
Heptachlor epoxide	ND		ug/kg	15.2	4.56	5	A
Endrin	ND		ug/kg	3.38	1.38	5	A
Endrin aldehyde	ND		ug/kg	10.1	3.55	5	A
Endrin ketone	ND		ug/kg	8.10	2.09	5	A
Dieldrin	ND		ug/kg	5.07	2.53	5	A
4,4'-DDE	ND		ug/kg	8.10	1.87	5	A
4,4'-DDD	ND		ug/kg	8.10	2.89	5	A
4,4'-DDT	ND		ug/kg	8.10	6.52	5	A
Endosulfan I	ND		ug/kg	8.10	1.92	5	A
Endosulfan II	ND		ug/kg	8.10	2.71	5	A
Endosulfan sulfate	ND		ug/kg	3.38	1.61	5	A
Methoxychlor	ND		ug/kg	15.2	4.73	5	A
Toxaphene	ND		ug/kg	152	42.6	5	A
cis-Chlordane	ND		ug/kg	10.1	2.82	5	A
trans-Chlordane	ND		ug/kg	10.1	2.67	5	A
Chlordane	ND		ug/kg	67.5	26.8	5	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42 D
Client ID: SB-29 (1-3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
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	90		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		30-150	B
Decachlorobiphenyl	96		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/02/22 09:50
Analyst: AKM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 09/01/22 11:39
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.80	0.352	1	A
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	ND		ug/kg	0.898	0.402	1	A
Aldrin	ND		ug/kg	1.80	0.632	1	A
Heptachlor epoxide	ND		ug/kg	3.37	1.01	1	A
Endrin	ND		ug/kg	0.748	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	ND		ug/kg	1.80	0.415	1	A
4,4'-DDD	ND		ug/kg	1.80	0.640	1	A
4,4'-DDT	ND		ug/kg	1.80	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.43	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	15.0	5.95	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46 Date Collected: 08/25/22 10:30

Client ID: SB-29 (7-9') Date Received: 08/25/22

Sample Location: Not Specified 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	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	116		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 08/31/22 12:54
Analyst: EJL
Percent Solids: 87%
Methylation Date: 08/30/22 18:27

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	185	11.7	1	A
2,4,5-T	ND		ug/kg	185	5.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.93	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	100		30-150	A
DCAA	94		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/01/22 15:40
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 08:51

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: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 Date Collected: 08/25/22 16:30

Client ID: FIELD BLANK Date Received: 08/25/22

Sample Location: Not Specified 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	47		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	38		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8151A
Analytical Date: 08/29/22 06:31
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/27/22 21:34

Methylation Date: 08/28/22 07:13

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	85		30-150	B

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 RE
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 09/02/22 18:29
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 00:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	ND		ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47 RE
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
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	64		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	78		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/22 11:38
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 03:13

Methylation Date: 08/27/22 07:00

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 10,14 Batch: WG1679927-1						
2,4-D	ND		ug/kg	161	10.2	A
2,4,5-T	ND		ug/kg	161	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	161	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	91		30-150	A
DCAA	94		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/28/22 11:17
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/26/22 07:31

Methylation Date: 08/27/22 19:47

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 04,06,08,15 Batch: WG1680235-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.12	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	109		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/29/22 03:07
Analyst: EJL

Extraction Method: EPA 8151A
Extraction Date: 08/27/22 21:30

Methylation Date: 08/28/22 07:13

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 47 Batch: WG1680484-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	101		30-150	A
DCAA	91		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 08/31/22 07:39
Analyst: AR

Extraction Method: EPA 8151A
Extraction Date: 08/29/22 07:21

Methylation Date: 08/30/22 18:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 24,28,30,34,36,40,42,46 Batch: WG1680856-1						
2,4-D	ND		ug/kg	165	10.4	A
2,4,5-T	ND		ug/kg	165	5.11	A
2,4,5-TP (Silvex)	ND		ug/kg	165	4.39	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	75		30-150	A
DCAA	75		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 11:23
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,08,10,14-15 Batch: WG1681677-1						
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	0.878	A
Endrin	ND		ug/kg	0.651	0.267	A
Endrin aldehyde	ND		ug/kg	1.95	0.683	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	0.515	A
Chlordane	ND		ug/kg	13.0	5.17	A

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 08/31/22 11:23
Analyst: AKM

Extraction Method: EPA 3546
Extraction Date: 08/31/22 00:13
Cleanup Method: EPA 3620B
Cleanup Date: 08/31/22
Cleanup Method: EPA 3660B
Cleanup Date: 08/31/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 04,06,08,10,14-15 Batch: WG1681677-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	89		30-150	A
Decachlorobiphenyl	111		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	115		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/22 11:59
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 08:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 47 Batch: WG1681851-1						
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/01/22 11:59
Analyst: MMG

Extraction Method: EPA 3510C
Extraction Date: 08/31/22 08:51

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 47 Batch: WG1681851-1						

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	69		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/22 08:32
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/01/22 06:32
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682305-1						
Delta-BHC	ND		ug/kg	1.55	0.304	A
Lindane	ND		ug/kg	0.646	0.289	A
Alpha-BHC	ND		ug/kg	0.646	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.588	A
Heptachlor	ND		ug/kg	0.775	0.348	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.91	0.872	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.969	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	1.55	1.25	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.307	A
Methoxychlor	ND		ug/kg	2.91	0.904	A
Toxaphene	ND		ug/kg	29.1	8.14	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.512	A
Chlordane	ND		ug/kg	12.9	5.14	A

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/22 08:32
Analyst: AR

Extraction Method: EPA 3546
Extraction Date: 09/01/22 06:32
Cleanup Method: EPA 3620B
Cleanup Date: 09/02/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/02/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682305-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	122		30-150	B

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/22 17:05
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 00:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 47 Batch: WG1682707-1						
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: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/02/22 17:05
Analyst: AR

Extraction Method: EPA 3510C
Extraction Date: 09/02/22 00:29

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 47 Batch: WG1682707-1						

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	68		30-150	B
Decachlorobiphenyl	89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 10,14 Batch: WG1679927-2 WG1679927-3									
2,4-D	109		95		30-150	14		30	A
2,4,5-T	100		87		30-150	14		30	A
2,4,5-TP (Silvex)	102		91		30-150	11		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	107		94		30-150	A
DCAA	110		98		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,06,08,15 Batch: WG1680235-2 WG1680235-3									
2,4-D	98		88		30-150	11		30	A
2,4,5-T	100		102		30-150	2		30	A
2,4,5-TP (Silvex)	92		93		30-150	1		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	107		103		30-150	A
DCAA	95		95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 47 Batch: WG1680484-2 WG1680484-3									
2,4-D	96		95		30-150	1		25	A
2,4,5-T	89		88		30-150	1		25	A
2,4,5-TP (Silvex)	92		91		30-150	1		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	112		99		30-150	A
DCAA	106		103		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 24,28,30,34,36,40,42,46 Batch: WG1680856-2 WG1680856-3									
2,4-D	82		84		30-150	2		30	A
2,4,5-T	81		82		30-150	1		30	A
2,4,5-TP (Silvex)	81		83		30-150	2		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	84		90		30-150	A
DCAA	86		89		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,08,10,14-15 Batch: WG1681677-2 WG1681677-3									
Delta-BHC	110		105		30-150	5		30	A
Lindane	98		94		30-150	4		30	A
Alpha-BHC	104		100		30-150	4		30	A
Beta-BHC	91		87		30-150	4		30	A
Heptachlor	101		95		30-150	6		30	A
Aldrin	101		96		30-150	5		30	A
Heptachlor epoxide	94		89		30-150	5		30	A
Endrin	103		98		30-150	5		30	A
Endrin aldehyde	79		78		30-150	1		30	A
Endrin ketone	108		105		30-150	3		30	A
Dieldrin	110		105		30-150	5		30	A
4,4'-DDE	106		101		30-150	5		30	A
4,4'-DDD	113		108		30-150	5		30	A
4,4'-DDT	113		109		30-150	4		30	A
Endosulfan I	99		94		30-150	5		30	A
Endosulfan II	102		98		30-150	4		30	A
Endosulfan sulfate	89		86		30-150	3		30	A
Methoxychlor	115		107		30-150	7		30	A
cis-Chlordane	105		102		30-150	3		30	A
trans-Chlordane	119		116		30-150	3		30	A

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 04,06,08,10,14-15 Batch: WG1681677-2 WG1681677-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		93		30-150	A
Decachlorobiphenyl	120		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	98		94		30-150	B
Decachlorobiphenyl	131		124		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 47 Batch: WG1681851-2 WG1681851-3									
Delta-BHC	**12**	Q	40		30-150	**107**	Q	20	A
Lindane	**25**	Q	79		30-150	**104**	Q	20	A
Alpha-BHC	**24**	Q	78		30-150	**108**	Q	20	A
Beta-BHC	**27**	Q	76		30-150	**96**	Q	20	A
Heptachlor	**29**	Q	87		30-150	**101**	Q	20	A
Aldrin	**26**	Q	83		30-150	**104**	Q	20	A
Heptachlor epoxide	**26**	Q	84		30-150	**105**	Q	20	A
Endrin	**27**	Q	89		30-150	**107**	Q	20	A
Endrin aldehyde	**22**	Q	72		30-150	**107**	Q	20	A
Endrin ketone	**26**	Q	88		30-150	**110**	Q	20	A
Dieldrin	**28**	Q	88		30-150	**104**	Q	20	A
4,4'-DDE	**26**	Q	90		30-150	**110**	Q	20	A
4,4'-DDD	**29**	Q	99		30-150	**110**	Q	20	A
4,4'-DDT	**29**	Q	97		30-150	**107**	Q	20	A
Endosulfan I	30		85		30-150	**96**	Q	20	A
Endosulfan II	**27**	Q	90		30-150	**107**	Q	20	A
Endosulfan sulfate	**24**	Q	83		30-150	**112**	Q	20	A
Methoxychlor	35		97		30-150	**94**	Q	20	A
cis-Chlordane	**27**	Q	82		30-150	**101**	Q	20	A
trans-Chlordane	32		101		30-150	**105**	Q	20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 47 Batch: WG1681851-2 WG1681851-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	**22**	Q	77		30-150	A
Decachlorobiphenyl	**22**	Q	65		30-150	A
2,4,5,6-Tetrachloro-m-xylene	**22**	Q	79		30-150	B
Decachlorobiphenyl	**18**	Q	62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682305-2 WG1682305-3									
Delta-BHC	114		117		30-150	3		30	A
Lindane	105		107		30-150	2		30	A
Alpha-BHC	111		114		30-150	3		30	A
Beta-BHC	94		97		30-150	3		30	A
Heptachlor	104		107		30-150	3		30	A
Aldrin	107		108		30-150	1		30	A
Heptachlor epoxide	96		97		30-150	1		30	A
Endrin	103		106		30-150	3		30	A
Endrin aldehyde	76		81		30-150	6		30	A
Endrin ketone	104		108		30-150	4		30	A
Dieldrin	111		114		30-150	3		30	A
4,4'-DDE	106		109		30-150	3		30	A
4,4'-DDD	112		115		30-150	3		30	A
4,4'-DDT	117		118		30-150	1		30	A
Endosulfan I	99		103		30-150	4		30	A
Endosulfan II	103		105		30-150	2		30	A
Endosulfan sulfate	89		91		30-150	2		30	A
Methoxychlor	104		108		30-150	4		30	A
cis-Chlordane	109		112		30-150	3		30	A
trans-Chlordane	128		130		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 24,28,30,34,36,40,42,46 Batch: WG1682305-2 WG1682305-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	100		104		30-150	A
Decachlorobiphenyl	116		121		30-150	A
2,4,5,6-Tetrachloro-m-xylene	104		108		30-150	B
Decachlorobiphenyl	118		125		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 47 Batch: WG1682707-2 WG1682707-3									
Delta-BHC	64		65		30-150	2		20	A
Lindane	90		90		30-150	1		20	A
Alpha-BHC	91		92		30-150	1		20	A
Beta-BHC	91		90		30-150	1		20	A
Heptachlor	71		71		30-150	1		20	A
Aldrin	80		80		30-150	0		20	A
Heptachlor epoxide	83		83		30-150	0		20	A
Endrin	88		88		30-150	0		20	A
Endrin aldehyde	78		74		30-150	4		20	A
Endrin ketone	98		97		30-150	0		20	A
Dieldrin	92		93		30-150	1		20	A
4,4'-DDE	78		76		30-150	3		20	A
4,4'-DDD	90		92		30-150	2		20	A
4,4'-DDT	83		82		30-150	1		20	A
Endosulfan I	85		96		30-150	13		20	A
Endosulfan II	89		88		30-150	1		20	A
Endosulfan sulfate	81		79		30-150	2		20	A
Methoxychlor	102		113		30-150	10		20	A
cis-Chlordane	79		78		30-150	0		20	A
trans-Chlordane	93		95		30-150	2		20	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 47 Batch: WG1682707-2 WG1682707-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	66		68		30-150	A
Decachlorobiphenyl	84		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	93		91		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 04,06,08,15 QC Batch ID: WG1680235-4 WG1680235-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')													
2,4-D	ND	172	149J	87		154J	89		30-150	3		30	A
2,4,5-T	ND	172	138J	80		140J	81		30-150	1		30	A
2,4,5-TP (Silvex)	ND	172	140J	82		147J	85		30-150	5		30	A

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
DCAA	103		102		30-150	A
DCAA	115		102		30-150	B

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 04,06,08,10,14-15 QC Batch ID: WG1681677-4 WG1681677-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')													
Delta-BHC	ND	34.4	35.1	102		34.0	102		30-150	3		50	A
Lindane	ND	34.4	31.1	90		30.5	91		30-150	2		50	A
Alpha-BHC	ND	34.4	32.7	95		32.6	98		30-150	0		50	A
Beta-BHC	ND	34.4	29.5	86		28.7	86		30-150	3		50	A
Heptachlor	ND	34.4	31.6	92		30.8	92		30-150	3		50	A
Aldrin	ND	34.4	32.2	94		31.6	95		30-150	2		50	A
Heptachlor epoxide	ND	34.4	28.6	83		28.8	86		30-150	1		50	A
Endrin	ND	34.4	33.6	98		32.5	97		30-150	3		50	A
Endrin aldehyde	ND	34.4	26.7	78		25.6	77		30-150	4		50	A
Endrin ketone	ND	34.4	36.6	106		34.4	103		30-150	6		50	A
Dieldrin	ND	34.4	35.8	104		34.5	103		30-150	4		50	A
4,4'-DDE	ND	34.4	34.4	100		33.1	99		30-150	4		50	A
4,4'-DDD	ND	34.4	37.1	108		35.7	107		30-150	4		50	A
4,4'-DDT	ND	34.4	37.7	110		36.1	108		30-150	4		50	A
Endosulfan I	ND	34.4	31.9	93		30.7	92		30-150	4		50	A
Endosulfan II	ND	34.4	33.8	98		32.3	97		30-150	5		50	A
Endosulfan sulfate	ND	34.4	30.5	89		28.6	86		30-150	6		50	A
Methoxychlor	ND	34.4	36.2	105		34.7	104		30-150	4		50	A
cis-Chlordane	ND	34.4	34.3	100		33.1	99		30-150	4		50	A
trans-Chlordane	ND	34.4	37.9	110		36.7	110		30-150	3		50	A

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

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): 04,06,08,10,14-15 QC Batch ID: WG1681677-4 WG1681677-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		92		30-150	A
Decachlorobiphenyl	118		116		30-150	A
2,4,5,6-Tetrachloro-m-xylene	89		91		30-150	B
Decachlorobiphenyl	125		120		30-150	B

METALS

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-02
Client ID: SB-24 (4-7')
Sample Location: Not Specified
Date Collected: 08/24/22 14:05
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5610		mg/kg	8.72	2.35	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.36	0.331	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Arsenic, Total	1.10		mg/kg	0.872	0.181	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Barium, Total	32.6		mg/kg	0.872	0.152	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Beryllium, Total	0.222	J	mg/kg	0.436	0.029	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.872	0.085	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Calcium, Total	6620		mg/kg	8.72	3.05	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Chromium, Total	10.7		mg/kg	0.872	0.084	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Cobalt, Total	4.93		mg/kg	1.74	0.145	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Copper, Total	24.6		mg/kg	0.872	0.225	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Iron, Total	11100		mg/kg	4.36	0.787	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Lead, Total	13.2		mg/kg	4.36	0.234	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Magnesium, Total	2520		mg/kg	8.72	1.34	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Manganese, Total	201		mg/kg	0.872	0.139	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Mercury, Total	0.092		mg/kg	0.087	0.057	1	08/26/22 01:55	08/29/22 10:25	EPA 7471B	1,7471B	DMB
Nickel, Total	6.94		mg/kg	2.18	0.211	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Potassium, Total	353		mg/kg	218	12.6	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.74	0.225	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.872	0.247	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Sodium, Total	200		mg/kg	174	2.75	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.74	0.275	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Vanadium, Total	24.4		mg/kg	0.872	0.177	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP
Zinc, Total	28.4		mg/kg	4.36	0.256	2	08/26/22 01:05	08/29/22 15:24	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified
Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

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	10.2	2.74	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	5.08	0.386	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Arsenic, Total	0.931	J	mg/kg	1.02	0.211	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Barium, Total	21.5		mg/kg	1.02	0.177	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Beryllium, Total	0.250	J	mg/kg	0.508	0.034	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	1.02	0.100	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Calcium, Total	418		mg/kg	10.2	3.56	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Chromium, Total	8.26		mg/kg	1.02	0.098	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Cobalt, Total	3.03		mg/kg	2.03	0.169	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Copper, Total	6.25		mg/kg	1.02	0.262	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Iron, Total	7600		mg/kg	5.08	0.918	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Lead, Total	3.42	J	mg/kg	5.08	0.272	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Magnesium, Total	1830		mg/kg	10.2	1.56	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Manganese, Total	218		mg/kg	1.02	0.162	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Mercury, Total	ND		mg/kg	0.106	0.069	1	08/26/22 01:55	08/29/22 10:29	EPA 7471B	1,7471B	DMB
Nickel, Total	7.57		mg/kg	2.54	0.246	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Potassium, Total	374		mg/kg	254	14.6	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	2.03	0.262	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	1.02	0.288	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Sodium, Total	81.0	J	mg/kg	203	3.20	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	2.03	0.320	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Vanadium, Total	9.67		mg/kg	1.02	0.206	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP
Zinc, Total	13.7		mg/kg	5.08	0.298	2	08/26/22 01:05	08/29/22 15:27	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified
Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7180		mg/kg	8.39	2.26	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.20	0.319	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Arsenic, Total	2.30		mg/kg	0.839	0.174	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Barium, Total	38.7		mg/kg	0.839	0.146	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Beryllium, Total	0.330	J	mg/kg	0.420	0.028	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Cadmium, Total	0.123	J	mg/kg	0.839	0.082	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Calcium, Total	4110		mg/kg	8.39	2.94	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Chromium, Total	14.1		mg/kg	0.839	0.081	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Cobalt, Total	4.52		mg/kg	1.68	0.139	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Copper, Total	18.5		mg/kg	0.839	0.216	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Iron, Total	11000		mg/kg	4.20	0.758	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Lead, Total	49.1		mg/kg	4.20	0.225	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Magnesium, Total	3850		mg/kg	8.39	1.29	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Manganese, Total	195		mg/kg	0.839	0.133	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Mercury, Total	0.161		mg/kg	0.080	0.052	1	08/26/22 01:55	08/29/22 10:32	EPA 7471B	1,7471B	DMB
Nickel, Total	9.95		mg/kg	2.10	0.203	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Potassium, Total	673		mg/kg	210	12.1	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.68	0.216	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.839	0.237	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Sodium, Total	135	J	mg/kg	168	2.64	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.68	0.264	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Vanadium, Total	18.9		mg/kg	0.839	0.170	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP
Zinc, Total	46.4		mg/kg	4.20	0.246	2	08/26/22 01:05	08/29/22 16:26	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified
Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3340		mg/kg	8.10	2.19	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.05	0.308	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Arsenic, Total	0.581	J	mg/kg	0.810	0.168	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Barium, Total	11.2		mg/kg	0.810	0.141	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Beryllium, Total	0.175	J	mg/kg	0.405	0.027	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.810	0.079	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Calcium, Total	362		mg/kg	8.10	2.84	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Chromium, Total	4.93		mg/kg	0.810	0.078	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Cobalt, Total	2.07		mg/kg	1.62	0.134	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Copper, Total	4.06		mg/kg	0.810	0.209	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Iron, Total	5000		mg/kg	4.05	0.732	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Lead, Total	2.00	J	mg/kg	4.05	0.217	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Magnesium, Total	1210		mg/kg	8.10	1.25	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Manganese, Total	157		mg/kg	0.810	0.129	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Mercury, Total	0.059	J	mg/kg	0.085	0.056	1	08/26/22 01:55	08/29/22 10:12	EPA 7471B	1,7471B	DMB
Nickel, Total	4.94		mg/kg	2.02	0.196	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Potassium, Total	285		mg/kg	202	11.7	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.62	0.209	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.810	0.229	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Sodium, Total	62.5	J	mg/kg	162	2.55	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.62	0.255	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Vanadium, Total	6.06		mg/kg	0.810	0.164	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP
Zinc, Total	9.03		mg/kg	4.05	0.237	2	08/26/22 01:05	08/29/22 15:31	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified
Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6800		mg/kg	8.72	2.35	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.36	0.331	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Arsenic, Total	5.66		mg/kg	0.872	0.181	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Barium, Total	121		mg/kg	0.872	0.152	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Beryllium, Total	0.344	J	mg/kg	0.436	0.029	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Cadmium, Total	0.592	J	mg/kg	0.872	0.085	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Calcium, Total	9000		mg/kg	8.72	3.05	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Chromium, Total	17.9		mg/kg	0.872	0.084	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Cobalt, Total	9.07		mg/kg	1.74	0.145	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Copper, Total	76.4		mg/kg	0.872	0.225	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Iron, Total	36100		mg/kg	4.36	0.787	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Lead, Total	447		mg/kg	4.36	0.234	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Magnesium, Total	2800		mg/kg	8.72	1.34	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Manganese, Total	430		mg/kg	0.872	0.139	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Mercury, Total	2.15		mg/kg	0.081	0.053	1	08/26/22 01:55	08/29/22 10:42	EPA 7471B	1,7471B	DMB
Nickel, Total	16.5		mg/kg	2.18	0.211	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Potassium, Total	1630		mg/kg	218	12.6	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Selenium, Total	0.606	J	mg/kg	1.74	0.225	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.872	0.247	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Sodium, Total	263		mg/kg	174	2.75	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Thallium, Total	0.278	J	mg/kg	1.74	0.275	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Vanadium, Total	23.0		mg/kg	0.872	0.177	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP
Zinc, Total	180		mg/kg	4.36	0.255	2	08/26/22 01:05	08/29/22 16:30	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-12
Client ID: SB-26 (4-7')
Sample Location: Not Specified
Date Collected: 08/24/22 15:15
Date Received: 08/24/22
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	5000		mg/kg	8.27	2.23	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.14	0.314	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Arsenic, Total	1.23		mg/kg	0.827	0.172	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Barium, Total	33.6		mg/kg	0.827	0.144	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Beryllium, Total	0.223	J	mg/kg	0.414	0.027	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Cadmium, Total	0.109	J	mg/kg	0.827	0.081	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Calcium, Total	1550		mg/kg	8.27	2.90	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Chromium, Total	9.80		mg/kg	0.827	0.079	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Cobalt, Total	3.18		mg/kg	1.65	0.137	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Copper, Total	6.90		mg/kg	0.827	0.213	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Iron, Total	7670		mg/kg	4.14	0.747	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Lead, Total	19.8		mg/kg	4.14	0.222	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Magnesium, Total	1780		mg/kg	8.27	1.27	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Manganese, Total	210		mg/kg	0.827	0.132	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Mercury, Total	0.112		mg/kg	0.072	0.047	1	08/26/22 01:55	08/29/22 10:45	EPA 7471B	1,7471B	DMB
Nickel, Total	5.81		mg/kg	2.07	0.200	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Potassium, Total	530		mg/kg	207	11.9	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.65	0.213	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.827	0.234	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Sodium, Total	69.5	J	mg/kg	165	2.61	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.65	0.261	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Vanadium, Total	10.8		mg/kg	0.827	0.168	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP
Zinc, Total	24.4		mg/kg	4.14	0.242	2	08/26/22 01:05	08/29/22 16:33	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified
Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3920		mg/kg	8.25	2.23	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.13	0.314	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Arsenic, Total	0.569	J	mg/kg	0.825	0.172	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Barium, Total	17.6		mg/kg	0.825	0.144	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Beryllium, Total	0.214	J	mg/kg	0.413	0.027	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.825	0.081	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Calcium, Total	381		mg/kg	8.25	2.89	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Chromium, Total	5.07		mg/kg	0.825	0.079	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Cobalt, Total	2.16		mg/kg	1.65	0.137	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Copper, Total	3.61		mg/kg	0.825	0.213	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Iron, Total	5700		mg/kg	4.13	0.745	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Lead, Total	2.80	J	mg/kg	4.13	0.221	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Magnesium, Total	1220		mg/kg	8.25	1.27	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Manganese, Total	174		mg/kg	0.825	0.131	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Mercury, Total	ND		mg/kg	0.076	0.050	1	08/26/22 01:55	08/29/22 10:49	EPA 7471B	1,7471B	DMB
Nickel, Total	4.58		mg/kg	2.06	0.200	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Potassium, Total	402		mg/kg	206	11.9	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.65	0.213	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.825	0.234	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Sodium, Total	30.5	J	mg/kg	165	2.60	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.65	0.260	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Vanadium, Total	6.28		mg/kg	0.825	0.168	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP
Zinc, Total	10.2		mg/kg	4.13	0.242	2	08/26/22 01:05	08/29/22 16:37	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified
Date Collected: 08/24/22 00:00
Date Received: 08/24/22
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	3540		mg/kg	8.40	2.27	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Antimony, Total	ND		mg/kg	4.20	0.319	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Arsenic, Total	0.539	J	mg/kg	0.840	0.175	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Barium, Total	14.6		mg/kg	0.840	0.146	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Beryllium, Total	0.185	J	mg/kg	0.420	0.028	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.840	0.082	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Calcium, Total	356		mg/kg	8.40	2.94	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Chromium, Total	5.14		mg/kg	0.431	0.041	1	08/30/22 07:50	08/30/22 16:08	EPA 3050B	1,6010D	NB
Cobalt, Total	1.84		mg/kg	1.68	0.139	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Copper, Total	3.33		mg/kg	0.840	0.217	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Iron, Total	5050		mg/kg	4.20	0.759	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Lead, Total	2.20	J	mg/kg	4.20	0.225	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Magnesium, Total	984		mg/kg	8.40	1.29	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Manganese, Total	147		mg/kg	0.840	0.134	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Mercury, Total	ND		mg/kg	0.087	0.056	1	08/26/22 01:55	08/29/22 10:52	EPA 7471B	1,7471B	DMB
Nickel, Total	4.26		mg/kg	2.10	0.203	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Potassium, Total	290		mg/kg	210	12.1	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Silver, Total	ND		mg/kg	0.840	0.238	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Sodium, Total	20.7	J	mg/kg	168	2.65	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Vanadium, Total	5.66		mg/kg	0.840	0.170	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP
Zinc, Total	8.27		mg/kg	4.20	0.246	2	08/26/22 01:05	08/29/22 16:40	EPA 3050B	1,6010D	WP

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-18
Client ID: WC-09
Sample Location: Not Specified
Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 93%
TCLP/SPLP Ext. Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Barium, TCLP	0.689		mg/l	0.500	0.021	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Lead, TCLP	0.432	J	mg/l	0.500	0.027	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Mercury, TCLP	0.0005	J	mg/l	0.0010	0.0005	1	08/27/22 09:22	08/28/22 12:45	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/27/22 10:37	08/29/22 13:14	EPA 3015	1,6010D	DL

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-18
Client ID: WC-09
Sample Location: Not Specified
Date Collected: 08/24/22 14:15
Date Received: 08/24/22
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											
Mercury, Total	0.663		mg/kg	0.077	0.050	1	08/27/22 00:05	08/29/22 10:20	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-20
Client ID: WC-11
Sample Location: Not Specified
Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified
Sample Depth:
TCLP/SPLP Ext. Date: 08/26/22 07:05
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Barium, TCLP	0.514		mg/l	0.500	0.021	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Lead, TCLP	0.067	J	mg/l	0.500	0.027	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/27/22 09:22	08/28/22 12:48	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/27/22 10:37	08/29/22 13:19	EPA 3015	1,6010D	DL

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-20
Client ID: WC-11
Sample Location: Not Specified
Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 97%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.068	J	mg/kg	0.079	0.052	1	08/27/22 00:05	08/29/22 10:24	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-22
Client ID: WC-13
Sample Location: Not Specified
Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%
TCLP/SPLP Ext. Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Barium, TCLP	0.585		mg/l	0.500	0.021	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Lead, TCLP	0.312	J	mg/l	0.500	0.027	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Mercury, TCLP	0.0005	J	mg/l	0.0010	0.0005	1	08/27/22 09:22	08/28/22 12:51	EPA 7470A	1,7470A	AW
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/27/22 10:37	08/29/22 13:24	EPA 3015	1,6010D	DL

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-22
Client ID: WC-13
Sample Location: Not Specified
Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.204		mg/kg	0.073	0.048	1	08/27/22 00:05	08/29/22 10:27	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified
Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8510		mg/kg	47.7	12.9	10	08/26/22 23:15	09/01/22 14:23	EPA 3050B	1,6010D	JF
Antimony, Total	2.46	J	mg/kg	4.77	0.362	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Arsenic, Total	6.99		mg/kg	0.954	0.198	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Barium, Total	88.5		mg/kg	0.954	0.166	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Beryllium, Total	0.920		mg/kg	0.477	0.032	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Cadmium, Total	1.39		mg/kg	0.954	0.094	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Calcium, Total	3730		mg/kg	9.54	3.34	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Chromium, Total	31.8		mg/kg	0.954	0.092	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Cobalt, Total	10.0		mg/kg	1.91	0.158	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Copper, Total	35.7		mg/kg	0.954	0.246	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Iron, Total	23400		mg/kg	4.77	0.861	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Lead, Total	170		mg/kg	4.77	0.256	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Magnesium, Total	3960		mg/kg	9.54	1.47	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Manganese, Total	484		mg/kg	0.954	0.152	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Mercury, Total	0.085	J	mg/kg	0.096	0.063	1	08/27/22 00:05	08/29/22 10:07	EPA 7471B	1,7471B	DMB
Nickel, Total	17.5		mg/kg	2.38	0.231	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Potassium, Total	1180		mg/kg	238	13.7	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Selenium, Total	0.357	J	mg/kg	1.91	0.246	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.954	0.270	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Sodium, Total	416		mg/kg	191	3.00	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Thallium, Total	0.641	J	mg/kg	1.91	0.300	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Vanadium, Total	41.2		mg/kg	0.954	0.194	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF
Zinc, Total	419		mg/kg	4.77	0.280	2	08/26/22 23:15	09/01/22 10:08	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-26
Client ID: SB-25 (4-7')
Sample Location: Not Specified
Date Collected: 08/25/22 08:50
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5100		mg/kg	8.53	2.30	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Antimony, Total	0.892	J	mg/kg	4.26	0.324	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Arsenic, Total	1.66		mg/kg	0.853	0.177	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Barium, Total	20.6		mg/kg	0.853	0.148	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Beryllium, Total	0.379	J	mg/kg	0.426	0.028	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Cadmium, Total	0.132	J	mg/kg	0.853	0.084	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Calcium, Total	600		mg/kg	8.53	2.98	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Chromium, Total	9.37		mg/kg	0.853	0.082	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Cobalt, Total	3.80		mg/kg	1.70	0.142	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Copper, Total	7.82		mg/kg	0.853	0.220	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Iron, Total	9710		mg/kg	4.26	0.770	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Lead, Total	10.2		mg/kg	4.26	0.228	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Magnesium, Total	1690		mg/kg	8.53	1.31	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Manganese, Total	242		mg/kg	0.853	0.136	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.078	0.051	1	08/27/22 00:05	08/29/22 10:30	EPA 7471B	1,7471B	DMB
Nickel, Total	7.44		mg/kg	2.13	0.206	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Potassium, Total	496		mg/kg	213	12.3	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.70	0.220	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.853	0.241	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Sodium, Total	60.0	J	mg/kg	170	2.69	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.70	0.269	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Vanadium, Total	12.4		mg/kg	0.853	0.173	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF
Zinc, Total	18.7		mg/kg	4.26	0.250	2	08/26/22 23:15	09/01/22 10:30	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified
Date Collected: 08/25/22 08:55
Date Received: 08/25/22
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	2760		mg/kg	8.70	2.35	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Antimony, Total	0.865	J	mg/kg	4.35	0.331	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Arsenic, Total	1.61		mg/kg	0.870	0.181	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Barium, Total	11.3		mg/kg	0.870	0.151	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Beryllium, Total	0.245	J	mg/kg	0.435	0.029	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Cadmium, Total	0.192	J	mg/kg	0.870	0.085	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Calcium, Total	439		mg/kg	8.70	3.05	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Chromium, Total	5.49		mg/kg	0.870	0.084	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Cobalt, Total	3.51		mg/kg	1.74	0.144	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Copper, Total	5.32		mg/kg	0.870	0.225	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Iron, Total	5600		mg/kg	4.35	0.786	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Lead, Total	4.60		mg/kg	4.35	0.233	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Magnesium, Total	1240		mg/kg	8.70	1.34	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Manganese, Total	206		mg/kg	0.870	0.138	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.078	0.051	1	08/27/22 00:05	08/29/22 10:34	EPA 7471B	1,7471B	DMB
Nickel, Total	7.58		mg/kg	2.18	0.211	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Potassium, Total	278		mg/kg	218	12.5	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.74	0.225	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.870	0.246	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Sodium, Total	53.1	J	mg/kg	174	2.74	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.74	0.274	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Vanadium, Total	8.08		mg/kg	0.870	0.177	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF
Zinc, Total	15.4		mg/kg	4.35	0.255	2	08/26/22 23:15	09/01/22 10:35	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified
Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4580		mg/kg	8.60	2.32	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Antimony, Total	1.17	J	mg/kg	4.30	0.327	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Arsenic, Total	3.93		mg/kg	0.860	0.179	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Barium, Total	44.9		mg/kg	0.860	0.150	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Beryllium, Total	0.373	J	mg/kg	0.430	0.028	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Cadmium, Total	0.286	J	mg/kg	0.860	0.084	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Calcium, Total	19200		mg/kg	8.60	3.01	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Chromium, Total	10.7		mg/kg	0.860	0.083	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Cobalt, Total	4.25		mg/kg	1.72	0.143	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Copper, Total	16.4		mg/kg	0.860	0.222	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Iron, Total	9220		mg/kg	4.30	0.776	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Lead, Total	61.5		mg/kg	4.30	0.230	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Magnesium, Total	10400		mg/kg	8.60	1.32	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Manganese, Total	246		mg/kg	0.860	0.137	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Mercury, Total	0.136		mg/kg	0.091	0.059	1	08/27/22 00:05	08/29/22 10:43	EPA 7471B	1,7471B	DMB
Nickel, Total	8.71		mg/kg	2.15	0.208	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Potassium, Total	728		mg/kg	215	12.4	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.860	0.243	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Sodium, Total	358		mg/kg	172	2.71	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.72	0.271	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Vanadium, Total	14.4		mg/kg	0.860	0.174	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF
Zinc, Total	76.8		mg/kg	4.30	0.252	2	08/26/22 23:15	09/01/22 10:39	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-32
Client ID: SB-17 (4-5')
Sample Location: Not Specified
Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4280		mg/kg	8.56	2.31	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Antimony, Total	0.784	J	mg/kg	4.28	0.325	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Arsenic, Total	1.32		mg/kg	0.856	0.178	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Barium, Total	21.3		mg/kg	0.856	0.149	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Beryllium, Total	0.279	J	mg/kg	0.428	0.028	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Cadmium, Total	0.115	J	mg/kg	0.856	0.084	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Calcium, Total	406		mg/kg	8.56	2.99	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Chromium, Total	7.81		mg/kg	0.856	0.082	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Cobalt, Total	3.10		mg/kg	1.71	0.142	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Copper, Total	3.89		mg/kg	0.856	0.221	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Iron, Total	6530		mg/kg	4.28	0.772	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Lead, Total	3.98	J	mg/kg	4.28	0.229	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Magnesium, Total	1220		mg/kg	8.56	1.32	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Manganese, Total	197		mg/kg	0.856	0.136	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.087	0.056	1	08/27/22 00:05	08/29/22 10:47	EPA 7471B	1,7471B	DMB
Nickel, Total	5.94		mg/kg	2.14	0.207	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Potassium, Total	248		mg/kg	214	12.3	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.71	0.221	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.856	0.242	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Sodium, Total	93.0	J	mg/kg	171	2.70	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.71	0.270	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Vanadium, Total	8.83		mg/kg	0.856	0.174	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF
Zinc, Total	15.2		mg/kg	4.28	0.251	2	08/26/22 23:15	09/01/22 10:53	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified
Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3290		mg/kg	8.08	2.18	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Antimony, Total	0.700	J	mg/kg	4.04	0.307	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Arsenic, Total	0.996		mg/kg	0.808	0.168	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Barium, Total	25.8		mg/kg	0.808	0.141	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Beryllium, Total	0.281	J	mg/kg	0.404	0.027	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Cadmium, Total	0.114	J	mg/kg	0.808	0.079	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Calcium, Total	542		mg/kg	8.08	2.83	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Chromium, Total	5.82		mg/kg	0.808	0.078	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Cobalt, Total	2.52		mg/kg	1.62	0.134	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Copper, Total	3.18		mg/kg	0.808	0.208	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Iron, Total	4430		mg/kg	4.04	0.730	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Lead, Total	4.20		mg/kg	4.04	0.216	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Magnesium, Total	904		mg/kg	8.08	1.24	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Manganese, Total	323		mg/kg	0.808	0.128	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Mercury, Total	0.055	J	mg/kg	0.077	0.050	1	08/27/22 00:05	08/29/22 10:50	EPA 7471B	1,7471B	DMB
Nickel, Total	5.22		mg/kg	2.02	0.196	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Potassium, Total	164	J	mg/kg	202	11.6	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Selenium, Total	0.244	J	mg/kg	1.62	0.208	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.808	0.229	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Sodium, Total	141	J	mg/kg	162	2.54	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.62	0.254	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Vanadium, Total	6.03		mg/kg	0.808	0.164	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF
Zinc, Total	12.8		mg/kg	4.04	0.237	2	08/26/22 23:15	09/01/22 10:58	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified
Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6260		mg/kg	8.71	2.35	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Antimony, Total	1.27	J	mg/kg	4.36	0.331	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Arsenic, Total	2.36		mg/kg	0.871	0.181	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Barium, Total	50.1		mg/kg	0.871	0.152	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Beryllium, Total	0.619		mg/kg	0.436	0.029	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Cadmium, Total	0.257	J	mg/kg	0.871	0.085	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Calcium, Total	876		mg/kg	8.71	3.05	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Chromium, Total	14.3		mg/kg	0.871	0.084	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Cobalt, Total	7.36		mg/kg	1.74	0.145	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Copper, Total	20.1		mg/kg	0.871	0.225	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Iron, Total	12200		mg/kg	4.36	0.787	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Lead, Total	10.1		mg/kg	4.36	0.234	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Magnesium, Total	2560		mg/kg	8.71	1.34	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Manganese, Total	90.2		mg/kg	0.871	0.138	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Mercury, Total	0.100		mg/kg	0.079	0.052	1	08/27/22 00:05	08/29/22 10:53	EPA 7471B	1,7471B	DMB
Nickel, Total	11.9		mg/kg	2.18	0.211	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Potassium, Total	1400		mg/kg	218	12.5	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.74	0.225	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.871	0.246	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Sodium, Total	100	J	mg/kg	174	2.74	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Thallium, Total	0.288	J	mg/kg	1.74	0.274	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Vanadium, Total	22.2		mg/kg	0.871	0.177	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF
Zinc, Total	42.5		mg/kg	4.36	0.255	2	08/26/22 23:15	09/01/22 11:02	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38
Client ID: SB-19 (4-7')
Sample Location: Not Specified
Date Collected: 08/25/22 11:10
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5400		mg/kg	8.65	2.34	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Antimony, Total	1.33	J	mg/kg	4.33	0.329	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Arsenic, Total	4.91		mg/kg	0.865	0.180	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Barium, Total	39.1		mg/kg	0.865	0.150	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Beryllium, Total	0.466		mg/kg	0.433	0.029	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Cadmium, Total	0.284	J	mg/kg	0.865	0.085	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Calcium, Total	951		mg/kg	8.65	3.03	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Chromium, Total	11.5		mg/kg	0.865	0.083	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Cobalt, Total	4.85		mg/kg	1.73	0.144	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Copper, Total	13.4		mg/kg	0.865	0.223	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Iron, Total	9890		mg/kg	4.33	0.782	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Lead, Total	55.4		mg/kg	4.33	0.232	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Magnesium, Total	1930		mg/kg	8.65	1.33	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Manganese, Total	173		mg/kg	0.865	0.138	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Mercury, Total	0.193		mg/kg	0.086	0.056	1	08/27/22 00:05	08/29/22 10:57	EPA 7471B	1,7471B	DMB
Nickel, Total	9.25		mg/kg	2.16	0.209	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Potassium, Total	376		mg/kg	216	12.5	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Selenium, Total	0.620	J	mg/kg	1.73	0.223	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.865	0.245	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Sodium, Total	93.9	J	mg/kg	173	2.73	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.73	0.273	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Vanadium, Total	13.8		mg/kg	0.865	0.176	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF
Zinc, Total	58.6		mg/kg	4.33	0.254	2	08/26/22 23:15	09/01/22 11:07	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified
Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5020		mg/kg	8.62	2.33	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Antimony, Total	0.768	J	mg/kg	4.31	0.328	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Arsenic, Total	1.26		mg/kg	0.862	0.179	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Barium, Total	40.1		mg/kg	0.862	0.150	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Beryllium, Total	0.417	J	mg/kg	0.431	0.028	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.862	0.085	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Calcium, Total	724		mg/kg	8.62	3.02	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Chromium, Total	7.73		mg/kg	0.862	0.083	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Cobalt, Total	2.98		mg/kg	1.72	0.143	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Copper, Total	4.18		mg/kg	0.862	0.222	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Iron, Total	7550		mg/kg	4.31	0.779	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Lead, Total	4.05	J	mg/kg	4.31	0.231	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Magnesium, Total	1250		mg/kg	8.62	1.33	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Manganese, Total	279		mg/kg	0.862	0.137	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.087	0.057	1	08/27/22 00:05	08/29/22 11:00	EPA 7471B	1,7471B	DMB
Nickel, Total	5.40		mg/kg	2.16	0.209	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Potassium, Total	258		mg/kg	216	12.4	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.72	0.222	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.862	0.244	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Sodium, Total	73.8	J	mg/kg	172	2.72	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.72	0.272	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Vanadium, Total	8.57		mg/kg	0.862	0.175	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF
Zinc, Total	15.1		mg/kg	4.31	0.253	2	08/26/22 23:15	09/01/22 11:11	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42
Client ID: SB-29 (1-3')
Sample Location: Not Specified
Date Collected: 08/25/22 11:55
Date Received: 08/25/22
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	4950		mg/kg	8.42	2.27	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Antimony, Total	1.54	J	mg/kg	4.21	0.320	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Arsenic, Total	4.12		mg/kg	0.842	0.175	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Barium, Total	34.3		mg/kg	0.842	0.146	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Beryllium, Total	0.420	J	mg/kg	0.421	0.028	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Cadmium, Total	0.238	J	mg/kg	0.842	0.083	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Calcium, Total	1890		mg/kg	8.42	2.95	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Chromium, Total	11.3		mg/kg	0.842	0.081	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Cobalt, Total	5.36		mg/kg	1.68	0.140	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Copper, Total	16.2		mg/kg	0.842	0.217	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Iron, Total	10500		mg/kg	4.21	0.761	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Lead, Total	53.6		mg/kg	4.21	0.226	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Magnesium, Total	2100		mg/kg	8.42	1.30	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Manganese, Total	212		mg/kg	0.842	0.134	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Mercury, Total	0.292		mg/kg	0.081	0.053	1	08/27/22 00:05	08/29/22 11:03	EPA 7471B	1,7471B	DMB
Nickel, Total	10.3		mg/kg	2.10	0.204	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Potassium, Total	750		mg/kg	210	12.1	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.68	0.217	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.842	0.238	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Sodium, Total	98.0	J	mg/kg	168	2.65	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.68	0.265	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Vanadium, Total	15.6		mg/kg	0.842	0.171	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF
Zinc, Total	44.9		mg/kg	4.21	0.247	2	08/26/22 23:15	09/01/22 11:16	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-44
Client ID: SB-29 (4-7')
Sample Location: Not Specified
Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	2440		mg/kg	8.57	2.31	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Antimony, Total	0.615	J	mg/kg	4.28	0.326	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Arsenic, Total	1.59		mg/kg	0.857	0.178	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Barium, Total	17.8		mg/kg	0.857	0.149	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Beryllium, Total	0.242	J	mg/kg	0.428	0.028	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Cadmium, Total	0.142	J	mg/kg	0.857	0.084	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Calcium, Total	915		mg/kg	8.57	3.00	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Chromium, Total	6.72		mg/kg	0.857	0.082	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Cobalt, Total	3.70		mg/kg	1.71	0.142	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Copper, Total	6.94		mg/kg	0.857	0.221	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Iron, Total	5800		mg/kg	4.28	0.774	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Lead, Total	19.6		mg/kg	4.28	0.230	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Magnesium, Total	1130		mg/kg	8.57	1.32	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Manganese, Total	175		mg/kg	0.857	0.136	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.078	0.051	1	08/27/22 00:05	08/29/22 11:06	EPA 7471B	1,7471B	DMB
Nickel, Total	6.09		mg/kg	2.14	0.207	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Potassium, Total	451		mg/kg	214	12.3	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.71	0.221	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.857	0.242	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Sodium, Total	59.8	J	mg/kg	171	2.70	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.71	0.270	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Vanadium, Total	8.40		mg/kg	0.857	0.174	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF
Zinc, Total	20.4		mg/kg	4.28	0.251	2	08/26/22 23:15	09/01/22 11:20	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified
Date Collected: 08/25/22 10:30
Date Received: 08/25/22
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	3430		mg/kg	9.10	2.46	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Antimony, Total	0.809	J	mg/kg	4.55	0.346	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Arsenic, Total	1.71		mg/kg	0.910	0.189	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Barium, Total	18.7		mg/kg	0.910	0.158	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Beryllium, Total	0.326	J	mg/kg	0.455	0.030	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Cadmium, Total	0.136	J	mg/kg	0.910	0.089	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Calcium, Total	701		mg/kg	9.10	3.19	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Chromium, Total	7.27		mg/kg	0.910	0.087	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Cobalt, Total	3.90		mg/kg	1.82	0.151	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Copper, Total	6.76		mg/kg	0.910	0.235	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Iron, Total	8870		mg/kg	4.55	0.822	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Lead, Total	4.14	J	mg/kg	4.55	0.244	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Magnesium, Total	1680		mg/kg	9.10	1.40	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Manganese, Total	370		mg/kg	0.910	0.145	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Mercury, Total	ND		mg/kg	0.093	0.061	1	08/27/22 00:05	08/29/22 11:10	EPA 7471B	1,7471B	DMB
Nickel, Total	7.56		mg/kg	2.28	0.220	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Potassium, Total	558		mg/kg	228	13.1	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Selenium, Total	ND		mg/kg	1.82	0.235	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Silver, Total	ND		mg/kg	0.910	0.258	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Sodium, Total	69.9	J	mg/kg	182	2.87	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Thallium, Total	ND		mg/kg	1.82	0.287	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Vanadium, Total	11.6		mg/kg	0.910	0.185	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF
Zinc, Total	17.3		mg/kg	4.55	0.267	2	08/26/22 23:15	09/01/22 11:25	EPA 3050B	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified
Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	0.00448	J	mg/l	0.0100	0.00327	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Barium, Total	0.00020	J	mg/l	0.00050	0.00017	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/27/22 00:26	08/28/22 14:12	EPA 7470A	1,7470A	AW
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Thallium, Total	0.00015	J	mg/l	0.00100	0.00014	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/26/22 22:28	09/01/22 12:44	EPA 3005A	1,6020B	SV

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-50
Client ID: WC-10
Sample Location: Not Specified
Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%
TCLP/SPLP Ext. Date: 08/27/22 07:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Barium, TCLP	0.541		mg/l	0.500	0.021	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Lead, TCLP	0.044	J	mg/l	0.500	0.027	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/30/22 02:00	08/30/22 12:22	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/30/22 00:40	09/01/22 00:56	EPA 3015	1,6010D	MC

Project Name: 101 E 150TH ST STREET RI
Lab Number: L2246011
Project Number: 41.0162951.10
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-50
Client ID: WC-10
Sample Location: Not Specified
Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Mercury, Total	0.079	J	mg/kg	0.083	0.054	1	08/27/22 00:05	08/29/22 11:13	EPA 7471B	1,7471B	DMB

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12,14-15 Batch: WG1679804-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Barium, Total	ND		mg/kg	0.400	0.070	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Calcium, Total	1.44	J	mg/kg	4.00	1.40	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Chromium, Total	0.460		mg/kg	0.400	0.038	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Copper, Total	0.146	J	mg/kg	0.400	0.103	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Iron, Total	2.77		mg/kg	2.00	0.361	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Lead, Total	ND		mg/kg	2.00	0.107	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Manganese, Total	0.165	J	mg/kg	0.400	0.064	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Nickel, Total	0.288	J	mg/kg	1.00	0.097	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Potassium, Total	ND		mg/kg	100	5.76	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Silver, Total	ND		mg/kg	0.400	0.113	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Sodium, Total	1.48	J	mg/kg	80.0	1.26	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP
Zinc, Total	0.119	J	mg/kg	2.00	0.117	1	08/26/22 01:05	08/29/22 15:13	1,6010D	WP

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04,06,08,10,12,14-15 Batch: WG1679806-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/26/22 01:55	08/29/22 10:06	1,7471B	DMB

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

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): 47 Batch: WG1679931-1										
Aluminum, Total	ND		mg/l	0.0100	0.00327	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Antimony, Total	ND		mg/l	0.00400	0.00042	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Arsenic, Total	ND		mg/l	0.00050	0.00016	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Barium, Total	ND		mg/l	0.00050	0.00017	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Beryllium, Total	ND		mg/l	0.00050	0.00010	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Cadmium, Total	ND		mg/l	0.00020	0.00005	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Calcium, Total	ND		mg/l	0.100	0.0394	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Chromium, Total	ND		mg/l	0.00100	0.00017	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Cobalt, Total	ND		mg/l	0.00050	0.00016	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Copper, Total	ND		mg/l	0.00100	0.00038	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Iron, Total	ND		mg/l	0.0500	0.0191	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Lead, Total	ND		mg/l	0.00100	0.00034	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Magnesium, Total	ND		mg/l	0.0700	0.0242	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Manganese, Total	ND		mg/l	0.00100	0.00044	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Nickel, Total	ND		mg/l	0.00200	0.00055	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Potassium, Total	ND		mg/l	0.100	0.0309	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Selenium, Total	ND		mg/l	0.00500	0.00173	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Silver, Total	ND		mg/l	0.00040	0.00016	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Sodium, Total	ND		mg/l	0.100	0.0293	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Thallium, Total	0.00039	J	mg/l	0.00100	0.00014	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Vanadium, Total	ND		mg/l	0.00500	0.00157	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV
Zinc, Total	ND		mg/l	0.01000	0.00341	1	08/26/22 22:28	09/01/22 12:34	1,6020B	SV

Prep Information

Digestion Method: EPA 3005A

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 47 Batch: WG1680276-1										
Mercury, Total	ND		mg/l	0.00020	0.00009	1	08/27/22 00:26	08/28/22 13:16	1,7470A	AW

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): 24,26,28,30,32,34,36,38,40,42,44,46 Batch: WG1680282-1										
Aluminum, Total	10.9		mg/kg	4.00	1.08	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Barium, Total	ND		mg/kg	0.400	0.070	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Copper, Total	ND		mg/kg	0.400	0.103	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Iron, Total	40.3		mg/kg	2.00	0.361	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Lead, Total	ND		mg/kg	2.00	0.107	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Potassium, Total	ND		mg/kg	100	5.76	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Silver, Total	ND		mg/kg	0.400	0.113	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Sodium, Total	6.72	J	mg/kg	80.0	1.26	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/26/22 23:15	09/01/22 09:59	1,6010D	JF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

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): 18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,50 Batch: WG1680283-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	08/27/22 00:05	08/29/22 09:54	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 18,20,22 Batch: WG1680384-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/27/22 10:35	08/29/22 09:34	1,6010D	DL

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 18,20,22 Batch: WG1680386-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/27/22 09:22	08/28/22 12:08	1,7470A	AW

Project Name: 101 E 150TH ST STREET RI **Lab Number:** L2246011

Project Number: 41.0162951.10 **Report Date:** 09/19/22

Method Blank Analysis
Batch Quality Control

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 50 Batch: WG1681081-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Barium, TCLP	ND		mg/l	0.500	0.021	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	08/30/22 00:40	09/01/22 00:32	1,6010D	MC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 50 Batch: WG1681084-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	08/30/22 02:00	08/30/22 12:16	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 08/26/22 07:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 15 Batch: WG1681094-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Antimony, Total	ND		mg/kg	2.00	0.152	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Barium, Total	ND		mg/kg	0.400	0.070	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
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Method Blank Analysis
Batch Quality Control

Beryllium, Total	ND		mg/kg	0.200	0.013	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Calcium, Total	ND		mg/kg	4.00	1.40	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Chromium, Total	ND		mg/kg	0.400	0.038	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Copper, Total	ND		mg/kg	0.400	0.103	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Iron, Total	0.464	J	mg/kg	2.00	0.361	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Lead, Total	ND		mg/kg	2.00	0.107	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Manganese, Total	ND		mg/kg	0.400	0.064	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Nickel, Total	ND		mg/kg	1.00	0.097	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Potassium, Total	ND		mg/kg	100	5.76	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Selenium, Total	ND		mg/kg	0.800	0.103	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Silver, Total	ND		mg/kg	0.400	0.113	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Sodium, Total	ND		mg/kg	80.0	1.26	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Thallium, Total	ND		mg/kg	0.800	0.126	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB
Zinc, Total	ND		mg/kg	2.00	0.117	1	08/30/22 07:50	08/30/22 15:30	1,6010D	NB

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 Batch: WG1679804-2 SRM Lot Number: D113-540								
Aluminum, Total	75		-		51-149	-		
Antimony, Total	116		-		20-250	-		
Arsenic, Total	86		-		70-130	-		
Barium, Total	84		-		75-125	-		
Beryllium, Total	94		-		75-125	-		
Cadmium, Total	87		-		75-125	-		
Calcium, Total	88		-		73-128	-		
Chromium, Total	88		-		70-130	-		
Cobalt, Total	86		-		75-125	-		
Copper, Total	86		-		75-125	-		
Iron, Total	86		-		36-164	-		
Lead, Total	84		-		72-128	-		
Magnesium, Total	86		-		63-138	-		
Manganese, Total	84		-		77-123	-		
Nickel, Total	85		-		70-130	-		
Potassium, Total	79		-		59-141	-		
Selenium, Total	86		-		66-134	-		
Silver, Total	85		-		70-131	-		
Sodium, Total	87		-		35-164	-		
Thallium, Total	88		-		70-130	-		
Vanadium, Total	85		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 Batch: WG1679804-2 SRM Lot Number: D113-540					
Zinc, Total	84	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 Batch: WG1679806-2 SRM Lot Number: D113-540					
Mercury, Total	97	-	60-140	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47 Batch: WG1679931-2					
Aluminum, Total	105	-	80-120	-	
Antimony, Total	95	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	104	-	80-120	-	
Beryllium, Total	98	-	80-120	-	
Cadmium, Total	106	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	109	-	80-120	-	
Cobalt, Total	107	-	80-120	-	
Copper, Total	105	-	80-120	-	
Iron, Total	112	-	80-120	-	
Lead, Total	111	-	80-120	-	
Magnesium, Total	114	-	80-120	-	
Manganese, Total	113	-	80-120	-	
Nickel, Total	108	-	80-120	-	
Potassium, Total	114	-	80-120	-	
Selenium, Total	103	-	80-120	-	
Silver, Total	111	-	80-120	-	
Sodium, Total	112	-	80-120	-	
Thallium, Total	116	-	80-120	-	
Vanadium, Total	109	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47 Batch: WG1679931-2					
Zinc, Total	105	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 47 Batch: WG1680276-2					
Mercury, Total	96	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 Batch: WG1680282-2 SRM Lot Number: D113-540					
Aluminum, Total	63	-	51-149	-	
Antimony, Total	123	-	20-250	-	
Arsenic, Total	98	-	70-130	-	
Barium, Total	81	-	75-125	-	
Beryllium, Total	83	-	75-125	-	
Cadmium, Total	90	-	75-125	-	
Calcium, Total	83	-	73-128	-	
Chromium, Total	86	-	70-130	-	
Cobalt, Total	93	-	75-125	-	
Copper, Total	91	-	75-125	-	
Iron, Total	83	-	36-164	-	
Lead, Total	89	-	72-128	-	
Magnesium, Total	81	-	63-138	-	
Manganese, Total	86	-	77-123	-	
Nickel, Total	92	-	70-130	-	
Potassium, Total	78	-	59-141	-	
Selenium, Total	95	-	66-134	-	
Silver, Total	86	-	70-131	-	
Sodium, Total	87	-	35-164	-	
Thallium, Total	90	-	70-130	-	
Vanadium, Total	86	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 Batch: WG1680282-2 SRM Lot Number: D113-540					
Zinc, Total	93	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,50 Batch: WG1680283-2 SRM Lot Number: D113-540					
Mercury, Total	96	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 Batch: WG1680384-2					
Arsenic, TCLP	103	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	96	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	92	-	75-125	-	20
Selenium, TCLP	97	-	75-125	-	20
Silver, TCLP	102	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 Batch: WG1680386-2					
Mercury, TCLP	101	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 Batch: WG1681081-2					
Arsenic, TCLP	104	-	75-125	-	20
Barium, TCLP	94	-	75-125	-	20
Cadmium, TCLP	97	-	75-125	-	20
Chromium, TCLP	96	-	75-125	-	20
Lead, TCLP	92	-	75-125	-	20
Selenium, TCLP	101	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 Batch: WG1681084-2					
Mercury, TCLP	93	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15 Batch: WG1681094-2 SRM Lot Number: D113-540					
Aluminum, Total	67	-	51-149	-	
Antimony, Total	158	-	20-250	-	
Arsenic, Total	90	-	70-130	-	
Barium, Total	104	-	75-125	-	
Beryllium, Total	93	-	75-125	-	
Cadmium, Total	89	-	75-125	-	
Calcium, Total	85	-	73-128	-	
Chromium, Total	89	-	70-130	-	
Cobalt, Total	89	-	75-125	-	
Copper, Total	87	-	75-125	-	
Iron, Total	90	-	36-164	-	
Lead, Total	96	-	72-128	-	
Magnesium, Total	81	-	63-138	-	
Manganese, Total	121	-	77-123	-	
Nickel, Total	88	-	70-130	-	
Potassium, Total	78	-	59-141	-	
Selenium, Total	91	-	66-134	-	
Silver, Total	84	-	70-131	-	
Sodium, Total	94	-	35-164	-	
Thallium, Total	82	-	70-130	-	
Vanadium, Total	86	-	74-126	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15 Batch: WG1681094-2 SRM Lot Number: D113-540					
Zinc, Total	85	-	70-130	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 QC Batch ID: WG1679804-3 WG1679804-4 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
Aluminum, Total	3340	163	4100	**465**	Q	4590	**758**	Q	75-125	11		20
Antimony, Total	ND	40.8	30.2	**74**	Q	28.3	**69**	Q	75-125	6		20
Arsenic, Total	0.581J	9.8	9.77	100		10.3	104		75-125	5		20
Barium, Total	11.2	163	162	92		171	97		75-125	5		20
Beryllium, Total	0.175J	4.08	4.12	101		4.31	104		75-125	5		20
Cadmium, Total	ND	4.33	4.08	94		4.06	93		75-125	0		20
Calcium, Total	362	816	1220	105		1300	114		75-125	6		20
Chromium, Total	4.93	16.3	21.3	100		22.3	105		75-125	5		20
Cobalt, Total	2.07	40.8	39.8	92		39.8	92		75-125	0		20
Copper, Total	4.06	20.4	24.5	100		24.8	101		75-125	1		20
Iron, Total	5000	81.6	5620	**759**	Q	6080	**1310**	Q	75-125	8		20
Lead, Total	2.00J	43.3	41.4	96		44.0	101		75-125	6		20
Magnesium, Total	1210	816	2110	110		2280	**130**	Q	75-125	8		20
Manganese, Total	157	40.8	205	118		213	**136**	Q	75-125	4		20
Nickel, Total	4.94	40.8	42.7	92		42.9	92		75-125	0		20
Potassium, Total	285	816	1170	108		1230	115		75-125	5		20
Selenium, Total	ND	9.8	8.78	90		9.35	94		75-125	6		20
Silver, Total	ND	24.5	23.7	97		23.8	96		75-125	0		20
Sodium, Total	62.5J	816	904	111		930	113		75-125	3		20
Thallium, Total	ND	9.8	8.68	88		9.19	93		75-125	6		20
Vanadium, Total	6.06	40.8	46.3	98		47.0	99		75-125	2		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 QC Batch ID: WG1679804-3 WG1679804-4 QC Sample: L2246011-08 Client ID: SB-28 (8-10')									
Zinc, Total	9.03	40.8	48.1	96	48.3	95	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 QC Batch ID: WG1679806-3 WG1679806-4 QC Sample: L2246011-08 Client ID: SB-28 (8-10')									
Mercury, Total	0.059J	1.52	1.69	111	1.60	111	80-120	5	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1679931-3 WG1679931-4 QC Sample: L2245950-18 Client ID: MS Sample									
Aluminum, Total	0.006J	2	2.00	100	2.04	102	75-125	2	20
Antimony, Total	0.0006J	0.5	0.3747	75	0.3873	77	75-125	3	20
Arsenic, Total	0.0004J	0.12	0.1273	106	0.1220	102	75-125	4	20
Barium, Total	0.1299	2	2.123	100	2.051	96	75-125	3	20
Beryllium, Total	ND	0.05	0.04827	96	0.04682	94	75-125	3	20
Cadmium, Total	ND	0.053	0.05311	100	0.05275	100	75-125	1	20
Calcium, Total	32.0	10	41.1	91	40.0	80	75-125	3	20
Chromium, Total	ND	0.2	0.2002	100	0.2036	102	75-125	2	20
Cobalt, Total	0.0006	0.5	0.4924	98	0.5014	100	75-125	2	20
Copper, Total	0.0010J	0.25	0.2479	99	0.2491	100	75-125	0	20
Iron, Total	0.150	1	1.23	108	1.23	108	75-125	0	20
Lead, Total	ND	0.53	0.5421	102	0.5621	106	75-125	4	20
Magnesium, Total	10.3	10	21.4	111	20.6	103	75-125	4	20
Manganese, Total	0.4896	0.5	1.040	110	1.010	104	75-125	3	20
Nickel, Total	0.0010J	0.5	0.5014	100	0.5096	102	75-125	2	20
Potassium, Total	25.4	10	36.3	109	34.9	95	75-125	4	20
Selenium, Total	ND	0.12	0.125	104	0.119	99	75-125	5	20
Silver, Total	ND	0.05	0.05221	104	0.05248	105	75-125	1	20
Sodium, Total	14.8	10	25.6	108	24.8	100	75-125	3	20
Thallium, Total	0.0006J	0.12	0.1310	109	0.1332	111	75-125	2	20
Vanadium, Total	ND	0.5	0.5164	103	0.5138	103	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47	QC Batch ID: WG1679931-3				WG1679931-4		QC Sample: L2245950-18	Client ID:	MS Sample
Zinc, Total	ND	0.5	0.4937	99	0.4888	98	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1679931-7 WG1679931-8 QC Sample: L2246010-03 Client ID: MS Sample											
Aluminum, Total	0.0406	2	2.07	101		2.03	99		75-125	2	20
Antimony, Total	0.00052J	0.5	0.4079	82		0.4531	91		75-125	10	20
Arsenic, Total	0.00046J	0.12	0.1243	104		0.1232	103		75-125	1	20
Barium, Total	0.2357	2	2.228	100		2.190	98		75-125	2	20
Beryllium, Total	ND	0.05	0.04756	95		0.04629	92		75-125	3	20
Cadmium, Total	0.00097	0.053	0.05314	98		0.05405	100		75-125	2	20
Calcium, Total	171.	10	178	**70**	Q	183	120		75-125	3	20
Chromium, Total	ND	0.2	0.1956	98		0.1962	98		75-125	0	20
Cobalt, Total	0.00287	0.5	0.4765	95		0.4807	96		75-125	1	20
Copper, Total	0.00081J	0.25	0.2402	96		0.2424	97		75-125	1	20
Iron, Total	0.120	1	1.16	104		1.15	103		75-125	1	20
Lead, Total	ND	0.53	0.5223	98		0.5276	100		75-125	1	20
Magnesium, Total	49.2	10	58.4	92		58.5	93		75-125	0	20
Manganese, Total	18.10	0.5	18.11	**2**	Q	18.13	**6**	Q	75-125	0	20
Nickel, Total	0.00310	0.5	0.4916	98		0.5023	100		75-125	2	20
Potassium, Total	5.94	10	16.2	103		16.2	103		75-125	0	20
Selenium, Total	0.00337J	0.12	0.125	104		0.129	108		75-125	3	20
Silver, Total	ND	0.05	0.05177	104		0.05052	101		75-125	2	20
Sodium, Total	267.	10	251	**0**	Q	257	**0**	Q	75-125	2	20
Thallium, Total	0.00025J	0.12	0.1244	104		0.1270	106		75-125	2	20
Vanadium, Total	ND	0.5	0.5024	100		0.5095	102		75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 47	QC Batch ID: WG1679931-7				WG1679931-8	QC Sample: L2246010-03		Client ID:	MS Sample
Zinc, Total	ND	0.5	0.4842	97	0.4912	98	75-125	1	20
Total Metals - Mansfield Lab Associated sample(s): 47	QC Batch ID: WG1680276-3				WG1680276-4	QC Sample: L2246010-03		Client ID:	MS Sample
Mercury, Total	0.00009J	0.005	0.00465	93	0.00465	93	75-125	0	20
Total Metals - Mansfield Lab Associated sample(s): 47	QC Batch ID: WG1680276-5				WG1680276-6	QC Sample: L2245939-04		Client ID:	MS Sample
Mercury, Total	ND	0.005	0.00460	92	0.00465	93	75-125	1	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-3 QC Sample: L2246011-24 Client ID: SB-25 (1-3')										
Aluminum, Total	8510	193	11800	**1710**	Q	-	-	75-125	-	20
Antimony, Total	2.46J	48.2	32.6	**68**	Q	-	-	75-125	-	20
Arsenic, Total	6.99	11.6	16.6	83		-	-	75-125	-	20
Barium, Total	88.5	193	266	92		-	-	75-125	-	20
Beryllium, Total	0.920	4.82	5.54	96		-	-	75-125	-	20
Cadmium, Total	1.39	5.11	5.54	81		-	-	75-125	-	20
Calcium, Total	3730	964	3760	**3**	Q	-	-	75-125	-	20
Chromium, Total	31.8	19.3	47.2	80		-	-	75-125	-	20
Cobalt, Total	10.0	48.2	49.8	83		-	-	75-125	-	20
Copper, Total	35.7	24.1	55.6	83		-	-	75-125	-	20
Iron, Total	23400	96.4	24000	**623**	Q	-	-	75-125	-	20
Lead, Total	170	51.1	166	**0**	Q	-	-	75-125	-	20
Magnesium, Total	3960	964	4420	**48**	Q	-	-	75-125	-	20
Manganese, Total	484	48.2	502	**37**	Q	-	-	75-125	-	20
Nickel, Total	17.5	48.2	56.8	82		-	-	75-125	-	20
Potassium, Total	1180	964	2270	113		-	-	75-125	-	20
Selenium, Total	0.357J	11.6	10.2	88		-	-	75-125	-	20
Silver, Total	ND	28.9	25.8	89		-	-	75-125	-	20
Sodium, Total	416	964	1410	103		-	-	75-125	-	20
Thallium, Total	0.641J	11.6	9.89	86		-	-	75-125	-	20
Vanadium, Total	41.2	48.2	82.1	85		-	-	75-125	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-3 QC Sample: L2246011-24 Client ID: SB-25 (1-3')										
Zinc, Total	419	48.2	350	**0**	Q	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,50 QC Batch ID: WG1680283-3 QC Sample: L2246011-24 Client ID: SB-25 (1-3')										
Mercury, Total	0.085J	1.94	1.96	101		-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 QC Batch ID: WG1680384-3 QC Sample: L2243090-09 Client ID: MS Sample										
Arsenic, TCLP	ND	1.2	1.30	108		-	-	75-125	-	20
Barium, TCLP	0.918	20	21.0	100		-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.526	99		-	-	75-125	-	20
Chromium, TCLP	ND	2	1.91	96		-	-	75-125	-	20
Lead, TCLP	0.403J	5.3	5.44	103		-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.21	101		-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.512	102		-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 QC Batch ID: WG1680386-3 QC Sample: L2245853-01 Client ID: MS Sample										
Mercury, TCLP	0.0005J	0.025	0.0233	93		-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 QC Batch ID: WG1681081-3 QC Sample: L2246011-50 Client ID: WC-10									
Arsenic, TCLP	ND	1.2	1.24	103	-	-	75-125	-	20
Barium, TCLP	0.541	20	19.3	94	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.514	97	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.94	97	-	-	75-125	-	20
Lead, TCLP	0.044J	5.3	4.90	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.21	101	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.498	100	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 QC Batch ID: WG1681084-3 QC Sample: L2246011-50 Client ID: WC-10									
Mercury, TCLP	ND	0.025	0.0232	93	-	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15 QC Batch ID: WG1681094-3 WG1681094-4 QC Sample: L2246521-01 Client ID: MS Sample											
Aluminum, Total	10500	194	10500	**0**	Q	10500	**0**	Q	75-125	0	20
Antimony, Total	ND	48.4	35.2	**73**	Q	33.7	**70**	Q	75-125	4	20
Arsenic, Total	7.06	11.6	14.7	**66**	Q	15.8	75		75-125	7	20
Barium, Total	43.0	194	190	76		178	**70**	Q	75-125	7	20
Beryllium, Total	0.829J	4.84	4.77	98		4.58	94		75-125	4	20
Cadmium, Total	0.900J	5.13	4.79	93		4.70	91		75-125	2	20
Calcium, Total	1150	968	1910	78		1790	**66**	Q	75-125	6	20
Chromium, Total	28.2	19.4	41.2	**67**	Q	41.5	**68**	Q	75-125	1	20
Cobalt, Total	5.02	48.4	39.0	**70**	Q	37.6	**67**	Q	75-125	4	20
Copper, Total	8.43	24.2	27.2	78		26.7	75		75-125	2	20
Iron, Total	26100	96.8	22000	**0**	Q	25800	**0**	Q	75-125	16	20
Lead, Total	11.4J	51.3	51.5	100		48.5	94		75-125	6	20
Magnesium, Total	2640	968	3370	75		3410	79		75-125	1	20
Manganese, Total	167	48.4	157	**0**	Q	177	**21**	Q	75-125	12	20
Nickel, Total	15.5	48.4	50.8	**73**	Q	50.0	**71**	Q	75-125	2	20
Potassium, Total	495J	968	1250	**129**	Q	1230	**127**	Q	75-125	2	20
Selenium, Total	ND	11.6	8.18	**70**	Q	7.64	**66**	Q	75-125	7	20
Silver, Total	ND	29	22.7	78		22.1	76		75-125	3	20
Sodium, Total	102J	968	945	98		892	92		75-125	6	20
Thallium, Total	ND	11.6	8.08	**70**	Q	7.64	**66**	Q	75-125	6	20
Vanadium, Total	32.6	48.4	62.7	**62**	Q	66.4	**70**	Q	75-125	6	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery		MSD Found	MSD %Recovery		Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 15 QC Batch ID: WG1681094-3 WG1681094-4 QC Sample: L2246521-01 Client ID: MS Sample											
Zinc, Total	40.5	48.4	72.4	**66**	Q	73.3	**68**	Q	75-125	1	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-4 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Antimony, Total	2.46J	1.46J	mg/kg	NC		20
Arsenic, Total	6.99	3.27	mg/kg	**73**	Q	20
Barium, Total	88.5	46.1	mg/kg	**63**	Q	20
Beryllium, Total	0.920	0.518	mg/kg	**56**	Q	20
Cadmium, Total	1.39	0.790J	mg/kg	NC		20
Calcium, Total	3730	1710	mg/kg	**74**	Q	20
Chromium, Total	31.8	20.9	mg/kg	**41**	Q	20
Cobalt, Total	10.0	6.44	mg/kg	**43**	Q	20
Copper, Total	35.7	16.6	mg/kg	**73**	Q	20
Iron, Total	23400	12200	mg/kg	**63**	Q	20
Lead, Total	170	76.1	mg/kg	**76**	Q	20
Magnesium, Total	3960	1910	mg/kg	**70**	Q	20
Manganese, Total	484	202	mg/kg	**82**	Q	20
Nickel, Total	17.5	9.92	mg/kg	**55**	Q	20
Potassium, Total	1180	582	mg/kg	**68**	Q	20
Selenium, Total	0.357J	ND	mg/kg	NC		20
Silver, Total	ND	0.276J	mg/kg	NC		20
Sodium, Total	416	326	mg/kg	**24**	Q	20
Thallium, Total	0.641J	0.334J	mg/kg	NC		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-4 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Vanadium, Total	41.2	22.9	mg/kg	**57**	Q	20
Zinc, Total	419	200	mg/kg	**71**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-4 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Aluminum, Total	8510	4870	mg/kg	**54**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 18,20,22,24,26,28,30,32,34,36,38,40,42,44,46,50 QC Batch ID: WG1680283-4 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Mercury, Total	0.085J	0.106	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 QC Batch ID: WG1680384-4 QC Sample: L2243090-09 Client ID: DUP Sample						
Lead, TCLP	0.403J	0.413J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 18,20,22 QC Batch ID: WG1680386-4 QC Sample: L2245853-01 Client ID: DUP Sample						
Mercury, TCLP	0.0005J	0.0005J	mg/l	NC		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 QC Batch ID: WG1681081-4 QC Sample: L2246011-50 Client ID: WC-10					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.541	0.533	mg/l	1	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.044J	0.038J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 50 QC Batch ID: WG1681084-4 QC Sample: L2246011-50 Client ID: WC-10					
Mercury, TCLP	ND	ND	mg/l	NC	20

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04,06,08,10,12,14-15 QC Batch ID: WG1679804-6 QC Sample: L2246011-08 Client ID: SB-28 (8-10')						
Aluminum, Total	3340	4390	mg/kg	**31**	Q	20
Calcium, Total	362	486	mg/kg	**34**	Q	20
Iron, Total	5000	6690	mg/kg	**34**	Q	20
Magnesium, Total	1210	1430	mg/kg	18		20
Manganese, Total	157	207	mg/kg	**32**	Q	20
Total Metals - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1679931-10 QC Sample: L2246010-03 Client ID: DUP Sample						
Barium, Total	0.2357	0.2323	mg/l	1		20
Calcium, Total	171.	175.	mg/l	2		20
Magnesium, Total	49.2	49.0	mg/l	0		20
Potassium, Total	5.94	6.20	mg/l	4		20
Total Metals - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1679931-10 QC Sample: L2246010-03 Client ID: DUP Sample						
Manganese, Total	18.10	18.46	mg/l	2		20
Sodium, Total	267.	251.	mg/l	6		20
Total Metals - Mansfield Lab Associated sample(s): 47 QC Batch ID: WG1679931-6 QC Sample: L2245950-18 Client ID: DUP Sample						
Manganese, Total	0.4896	0.5095	mg/l	4		20
Potassium, Total	25.4	25.9	mg/l	2		20
Sodium, Total	14.8	15.2	mg/l	3		20

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Serial Dilution	Units	% D		RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-6 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Barium, Total	88.5	106	mg/kg	20		20
Calcium, Total	3730	4590	mg/kg	**23**	Q	20
Chromium, Total	31.8	38.6	mg/kg	**21**	Q	20
Copper, Total	35.7	41.6	mg/kg	17		20
Iron, Total	23400	29400	mg/kg	**26**	Q	20
Lead, Total	170	197	mg/kg	16		20
Magnesium, Total	3960	4750	mg/kg	20		20
Manganese, Total	484	592	mg/kg	**22**	Q	20
Vanadium, Total	41.2	49.3	mg/kg	20		20
Zinc, Total	419	476	mg/kg	14		20
Total Metals - Mansfield Lab Associated sample(s): 24,26,28,30,32,34,36,38,40,42,44,46 QC Batch ID: WG1680282-6 QC Sample: L2246011-24 Client ID: SB-25 (1-3')						
Aluminum, Total	8510	9290	mg/kg	9		20

INORGANICS
&
MISCELLANEOUS

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-18
Client ID: WC-09
Sample Location: Not Specified

Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/30/22 16:55	1,1030	MD

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-20
Client ID: WC-11
Sample Location: Not Specified

Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/30/22 16:55	1,1030	MD

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-22
Client ID: WC-13
Sample Location: Not Specified

Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	08/30/22 16:55	1,1030	MD

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-50
Client ID: WC-10
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Damp Sand
Particle Size:	Medium
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/01/22 09:52	1,1030	MJ

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-01
Client ID: SB-24 (7')
Sample Location: Not Specified

Date Collected: 08/24/22 14:05
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-02
Client ID: SB-24 (4-7')
Sample Location: Not Specified

Date Collected: 08/24/22 14:05
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:01	1,9010C/9012B	CS
Chromium, Hexavalent	0.546	J	mg/kg	0.891	0.178	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-03
Client ID: SB-24 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-04
Client ID: SB-24 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 14:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.3	0.27	1	08/28/22 16:10	08/29/22 09:02	1,9010C/9012B	CS
Chromium, Hexavalent	0.360	J	mg/kg	1.06	0.213	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-05
Client ID: SB-28 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-06
Client ID: SB-28 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 14:30
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:11	1,9010C/9012B	CS
Chromium, Hexavalent	0.573	J	mg/kg	0.849	0.170	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-07
Client ID: SB-28 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-08
Client ID: SB-28 (8-10')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/24/22 14:35
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/28/22 16:10	08/29/22 09:12	1,9010C/9012B	CS
Chromium, Hexavalent	0.287	J	mg/kg	0.849	0.170	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-09
Client ID: SB-26 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-10
Client ID: SB-26 (1-3')
Sample Location: Not Specified

Date Collected: 08/24/22 15:10
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 09:15	1,9010C/9012B	CS
Chromium, Hexavalent	0.353	J	mg/kg	0.883	0.177	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-11
Client ID: SB-26 (6')
Sample Location: Not Specified

Date Collected: 08/24/22 15:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-12
Client ID: SB-26 (4-7')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/24/22 15:15
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.9		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:16	1,9010C/9012B	CS
Chromium, Hexavalent	0.226	J	mg/kg	0.861	0.172	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-13
Client ID: SB-26 (9')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-14
Client ID: SB-26 (8-10')
Sample Location: Not Specified

Date Collected: 08/24/22 15:20
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.5		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.22	1	08/28/22 16:10	08/29/22 09:19	1,9010C/9012B	CS
Chromium, Hexavalent	0.171	J	mg/kg	0.856	0.171	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-15
Client ID: DUP-SOIL-8.24.22
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/24/22 00:00
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:20	1,9010C/9012B	CS
Chromium, Hexavalent	0.230	J	mg/kg	0.875	0.175	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-17
Client ID: WC-09 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	08/26/22 08:01	121,2540G	CG

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-18
Client ID: WC-09
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/24/22 14:15
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.2		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.22	1	08/28/22 16:10	08/29/22 09:21	1,9010C/9012B	CS
pH (H)	8.4		SU	-	NA	1	-	08/26/22 21:17	1,9045D	AS
Chromium, Hexavalent	0.408	J	mg/kg	0.858	0.172	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:51	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:20	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/26/22 16:55	1,9095B	AS

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-19
Client ID: WC-11 (6')
Sample Location: Not Specified

Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/26/22 08:01	121,2540G	CG

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-20
Client ID: WC-11
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/24/22 14:50
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	96.6		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:22	1,9010C/9012B	CS
pH (H)	8.1		SU	-	NA	1	-	08/26/22 21:17	1,9045D	AS
Chromium, Hexavalent	0.621	J	mg/kg	0.828	0.166	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:51	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:20	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/26/22 16:55	1,9095B	AS

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-21
Client ID: WC-13 (1')
Sample Location: Not Specified

Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.1		%	0.100	NA	1	-	08/26/22 08:01	121,2540G	CG

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-22
Client ID: WC-13
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/24/22 15:25
Date Received: 08/24/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.4		%	0.100	NA	1	-	08/25/22 18:19	121,2540G	MF
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 09:23	1,9010C/9012B	CS
pH (H)	8.2		SU	-	NA	1	-	08/26/22 21:17	1,9045D	AS
Chromium, Hexavalent	0.230	J	mg/kg	0.875	0.175	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:52	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:21	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/26/22 16:55	1,9095B	AS

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-23
Client ID: SB-25 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-24
Client ID: SB-25 (1-3')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/25/22 08:45
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.2	0.26	1	08/28/22 16:10	08/29/22 09:24	1,9010C/9012B	CS
Chromium, Hexavalent	0.524	J	mg/kg	0.998	0.200	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-25
Client ID: SB-25 (5')
Sample Location: Not Specified

Date Collected: 08/25/22 08:50
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.8		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-26
Client ID: SB-25 (4-7')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/25/22 08:50
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/28/22 21:00	08/29/22 10:23	1,9010C/9012B	CS
Chromium, Hexavalent	0.174	J	mg/kg	0.870	0.174	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-27
Client ID: SB-25 (9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-28
Client ID: SB-25 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 08:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 09:25	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.902	0.180	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-29
Client ID: SB-17 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-30
Client ID: SB-17 (1-3')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/25/22 10:20
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 16:10	08/29/22 09:26	1,9010C/9012B	CS
Chromium, Hexavalent	0.339	J	mg/kg	0.874	0.175	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-31
Client ID: SB-17 (5')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	92.4		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-32
Client ID: SB-17 (4-5')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.7		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 16:10	08/29/22 09:28	1,9010C/9012B	CS
Chromium, Hexavalent	0.357	J	mg/kg	0.892	0.178	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-33
Client ID: SB-17 (7')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.4		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-34
Client ID: SB-17 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.1		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 21:00	08/29/22 10:28	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.850	0.170	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-35
Client ID: SB-19 (3')
Sample Location: Not Specified

Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-36
Client ID: SB-19 (1-3')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/25/22 11:05
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.3		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 21:00	08/29/22 10:29	1,9010C/9012B	CS
Chromium, Hexavalent	0.598	J	mg/kg	0.886	0.177	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-37
Client ID: SB-19 (4')
Sample Location: Not Specified

Date Collected: 08/25/22 11:10
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.2		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-38
Client ID: SB-19 (4-7')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil

Date Collected: 08/25/22 11:10
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 21:00	08/29/22 10:30	1,9010C/9012B	CS
Chromium, Hexavalent	0.413	J	mg/kg	0.894	0.179	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-39
Client ID: SB-19 (7')
Sample Location: Not Specified

Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.3		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-40
Client ID: SB-19 (7-9')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/25/22 11:15
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 21:00	08/29/22 10:31	1,9010C/9012B	CS
Chromium, Hexavalent	0.178	J	mg/kg	0.890	0.178	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-41
Client ID: SB-29 (2')
Sample Location: Not Specified

Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.0		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-42
Client ID: SB-29 (1-3')
Sample Location: Not Specified
Sample Depth:
Matrix: Soil
Date Collected: 08/25/22 11:55
Date Received: 08/25/22
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.4		%	0.100	NA	1	-	08/26/22 15:14	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.21	1	08/28/22 21:00	08/29/22 10:32	1,9010C/9012B	CS
Chromium, Hexavalent	0.278	J	mg/kg	0.856	0.171	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-43
Client ID: SB-29 (4')
Sample Location: Not Specified

Date Collected: 08/25/22 12:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.2		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-44
Client ID: SB-29 (4-7')
Sample Location: Not Specified

Date Collected: 08/25/22 10:25
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.6		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 21:00	08/29/22 10:33	1,9010C/9012B	CS
Chromium, Hexavalent	0.178	J	mg/kg	0.893	0.178	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-45
Client ID: SB-29 (8')
Sample Location: Not Specified

Date Collected: 08/25/22 12:05
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.0		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-46
Client ID: SB-29 (7-9')
Sample Location: Not Specified

Date Collected: 08/25/22 10:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.3		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.0	0.22	1	08/28/22 21:00	08/29/22 10:39	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/kg	0.916	0.183	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-47
Client ID: FIELD BLANK
Sample Location: Not Specified

Date Collected: 08/25/22 16:30
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/29/22 06:00	08/29/22 12:32	1,9010C/9012B	CS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/26/22 12:45	08/26/22 13:00	1,7196A	ES

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-49
Client ID: WC-10 (6')
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	95.1		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

SAMPLE RESULTS

Lab ID: L2246011-50
Client ID: WC-10
Sample Location: Not Specified

Date Collected: 08/25/22 09:00
Date Received: 08/25/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	08/26/22 15:47	121,2540G	TR
Cyanide, Total	ND		mg/kg	1.1	0.23	1	08/28/22 21:00	08/29/22 10:40	1,9010C/9012B	CS
pH (H)	8.2		SU	-	NA	1	-	08/26/22 21:17	1,9045D	AS
Chromium, Hexavalent	0.232	J	mg/kg	0.885	0.177	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/29/22 10:55	08/29/22 12:44	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/29/22 10:55	08/29/22 12:11	125,7.3	MJ
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	08/26/22 16:55	1,9095B	AS

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10
Lab Number: L2246011
Report Date: 09/19/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 18,20,22 Batch: WG1679563-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:09	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 18,20,22 Batch: WG1679564-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/25/22 10:15	08/25/22 12:36	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 47 Batch: WG1680153-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	08/26/22 12:45	08/26/22 12:59	1,7196A	ES
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG1680625-1										
Cyanide, Total	ND		mg/kg	0.92	0.19	1	08/28/22 16:10	08/29/22 08:33	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 06,08,10,12,14-15,18,20,22 Batch: WG1680627-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	08/28/22 16:10	08/29/22 09:07	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 24,28,30,32 Batch: WG1680629-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	08/28/22 16:10	08/29/22 09:07	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 26,34,36,38,40,42,44 Batch: WG1680672-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	08/28/22 21:00	08/29/22 10:19	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 46,50 Batch: WG1680689-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	08/28/22 21:00	08/29/22 10:19	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 47 Batch: WG1680710-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	08/29/22 06:00	08/29/22 12:25	1,9010C/9012B	CS
General Chemistry - Westborough Lab for sample(s): 02,04,06,08 Batch: WG1680753-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/29/22 08:50	08/29/22 17:20	1,7196A	WT
General Chemistry - Westborough Lab for sample(s): 10,12,14-15,18,20,22,24,26,28 Batch: WG1680766-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/29/22 10:55	08/30/22 21:00	1,7196A	WT
General Chemistry - Westborough Lab for sample(s): 50 Batch: WG1680859-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	08/29/22 10:55	08/29/22 12:09	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 50 Batch: WG1680861-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	08/29/22 10:55	08/29/22 12:42	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 30,32,34,36,38,40,42,44,46,50 Batch: WG1681388-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	08/30/22 14:30	09/01/22 00:30	1,7196A	WT

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 18,20,22 Batch: WG1679563-2								
Sulfide, Reactive	110		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 18,20,22 Batch: WG1679564-2								
Cyanide, Reactive	65		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 47 Batch: WG1680153-2								
Chromium, Hexavalent	104		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 18,20,22,50 Batch: WG1680253-1								
pH	101		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1680625-2 WG1680625-3								
Cyanide, Total	**67**	Q	80		80-120	14		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12,14-15,18,20,22 Batch: WG1680627-2 WG1680627-3								
Cyanide, Total	**66**	Q	**79**	Q	80-120	8		35
General Chemistry - Westborough Lab Associated sample(s): 24,28,30,32 Batch: WG1680629-2 WG1680629-3								
Cyanide, Total	**66**	Q	**79**	Q	80-120	8		35

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery		LCSD %Recovery		%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 26,34,36,38,40,42,44 Batch: WG1680672-2 WG1680672-3							
Cyanide, Total	**59**	Q	**74**	Q	80-120	19	35
General Chemistry - Westborough Lab Associated sample(s): 46,50 Batch: WG1680689-2 WG1680689-3							
Cyanide, Total	**59**	Q	**74**	Q	80-120	19	35
General Chemistry - Westborough Lab Associated sample(s): 47 Batch: WG1680710-2 WG1680710-3							
Cyanide, Total	88		101		85-115	14	20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08 Batch: WG1680753-2							
Chromium, Hexavalent	81		-		80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 10,12,14-15,18,20,22,24,26,28 Batch: WG1680766-2							
Chromium, Hexavalent	83		-		80-120	-	20
General Chemistry - Westborough Lab Associated sample(s): 50 Batch: WG1680859-2							
Sulfide, Reactive	110		-		60-125	-	40
General Chemistry - Westborough Lab Associated sample(s): 50 Batch: WG1680861-2							
Cyanide, Reactive	89		-		30-125	-	40

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 30,32,34,36,38,40,42,44,46,50 Batch: WG1681388-2					
Chromium, Hexavalent	105	-	80-120	-	20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 47 QC Batch ID: WG1680153-4 QC Sample: L2246011-47 Client ID: FIELD BLANK												
Chromium, Hexavalent	ND	0.1	0.104	104		-	-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1680625-4 WG1680625-5 QC Sample: L2245374-38 Client ID: MS Sample												
Cyanide, Total	ND	11	9.9	92		11	100		75-125	11		35
General Chemistry - Westborough Lab Associated sample(s): 06,08,10,12,14-15,18,20,22 QC Batch ID: WG1680627-4 WG1680627-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
Cyanide, Total	ND	10	10	100		10	100		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 24,28,30,32 QC Batch ID: WG1680629-4 WG1680629-5 QC Sample: L2246117-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		6.4	**62**	Q	75-125	**61**	Q	35
General Chemistry - Westborough Lab Associated sample(s): 26,34,36,38,40,42,44 QC Batch ID: WG1680672-4 WG1680672-5 QC Sample: L2246011-26 Client ID: SB-25 (4-7')												
Cyanide, Total	ND	10	10	100		11	100		75-125	10		35
General Chemistry - Westborough Lab Associated sample(s): 46,50 QC Batch ID: WG1680689-4 WG1680689-5 QC Sample: L2246454-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		11	100		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 47 QC Batch ID: WG1680710-4 WG1680710-5 QC Sample: L2246435-14 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.225	112		0.214	107		80-120	5		20
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08 QC Batch ID: WG1680753-4 WG1680753-5 QC Sample: L2246011-08 Client ID: SB-28 (8-10')												
Chromium, Hexavalent	0.287J	1000	1080	107		1420	98		75-125	10		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10,12,14-15,18,20,22,24,26,28 QC Batch ID: WG1680766-4 QC Sample: L2246011-15 Client ID: DUP-SOIL-8.24.22									
Chromium, Hexavalent	0.230J	1080	1090	101	-	-	75-125	-	20
General Chemistry - Westborough Lab Associated sample(s): 30,32,34,36,38,40,42,44,46,50 QC Batch ID: WG1681388-4 QC Sample: L2246011-40 Client ID: SB-19 (7-9')									
Chromium, Hexavalent	0.178J	1220	1220	100	-	-	75-125	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 18,20,22 QC Batch ID: WG1679563-3 QC Sample: L2245769-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 18,20,22 QC Batch ID: WG1679564-3 QC Sample: L2245769-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-15,18,20,22 QC Batch ID: WG1679814-1 QC Sample: L2246011-07 Client ID: SB-28 (9')						
Solids, Total	95.0	94.7	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 17,19,21 QC Batch ID: WG1679992-1 QC Sample: L2245370-01 Client ID: DUP Sample						
Solids, Total	89.2	88.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 47 QC Batch ID: WG1680153-3 QC Sample: L2246011-47 Client ID: FIELD BLANK						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 23-42 QC Batch ID: WG1680192-1 QC Sample: L2246011-23 Client ID: SB-25 (2')						
Solids, Total	85.8	88.4	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 43-46,49-50 QC Batch ID: WG1680206-1 QC Sample: L2246011-43 Client ID: SB-29 (4')						
Solids, Total	94.2	92.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 18,20,22,50 QC Batch ID: WG1680253-2 QC Sample: L2245596-01 Client ID: DUP Sample						
pH	5.3	5.3	SU	0		5

Lab Duplicate Analysis

Batch Quality Control

Project Name: 101 E 150TH ST STREET RI

Project Number: 41.0162951.10

Lab Number: L2246011

Report Date: 09/19/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04,06,08 QC Batch ID: WG1680753-8 QC Sample: L2246011-08 Client ID: SB-28 (8-10')					
Chromium, Hexavalent	0.287J	0.340J	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 10,12,14-15,18,20,22,24,26,28 QC Batch ID: WG1680766-6 QC Sample: L2246011-15 Client ID: DUP-SOIL-8.24.22					
Chromium, Hexavalent	0.230J	0.295J	mg/kg	NC	20
General Chemistry - Westborough Lab Associated sample(s): 50 QC Batch ID: WG1680859-3 QC Sample: L2245370-02 Client ID: DUP Sample					
Sulfide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 50 QC Batch ID: WG1680861-3 QC Sample: L2245370-02 Client ID: DUP Sample					
Cyanide, Reactive	ND	ND	mg/kg	NC	40
General Chemistry - Westborough Lab Associated sample(s): 30,32,34,36,38,40,42,44,46,50 QC Batch ID: WG1681388-6 QC Sample: L2246011-40 Client ID: SB-19 (7-9')					
Chromium, Hexavalent	0.178J	ND	mg/kg	NC	20

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
A1	Absent
B	Absent
B1	Absent
C	Absent
D	Absent
E1	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-01A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-01B	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-01C	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-01D	Plastic 120ml unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2246011-02A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	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),ZN-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),CA-TI(180),K-TI(180),NA-TI(180),CD-TI(180)
L2246011-02B	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2246011-02C	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2246011-03A	Vial MeOH preserved	D	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-03B	Vial water preserved	D	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-03C	Vial water preserved	D	NA		3.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-03D	Plastic 120ml unpreserved	D	NA		3.2	Y	Absent		TS(7)
L2246011-04A	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-04B	Metals Only-Glass 60mL/2oz unpreserved	D	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2246011-04C	Glass 120ml/4oz unpreserved	D	NA		3.2	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-04D	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-04E	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-05A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-05B	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-05C	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-05D	Plastic 120ml unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2246011-06A	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-06B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	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),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),PB-TI(180),V-TI(180),CO-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CD-TI(180),CA-TI(180),NA-TI(180),K-TI(180)
L2246011-06C	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-06D	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-06E	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-07A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-07A1	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-07A2	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-07B	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07B1	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07B2	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07C	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07C1	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07C2	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-07D	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-07D1	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-07D2	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-08A	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-08A1	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-08A2	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-08B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-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),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2246011-08B1	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-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),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2246011-08B2	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-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),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),K-TI(180),NA-TI(180),CD-TI(180),CA-TI(180)
L2246011-08D	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-08D1	Glass 120ml/4oz unpreserved	D	NA		3.2	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-08D2	Glass 120ml/4oz unpreserved	D	NA		3.2	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-08E	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-08E1	Plastic 8oz unpreserved	A	NA		4.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-08E2	Plastic 8oz unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-08F	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-08F1	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-08F2	Glass 500ml/16oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-09A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-09B	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-09C	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-09D	Plastic 120ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2246011-10A	Plastic 2oz unpreserved for TS	A	NA		4.2	Y	Absent		TS(7)
L2246011-10B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	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),SE-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MG-TI(180),MN-TI(180),HG-T(28),FE-TI(180),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2246011-10C	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-10D	Plastic 8oz unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-10E	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-11A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-11B	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-11C	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-11D	Plastic 120ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2246011-12A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.2	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),ZN-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MG-TI(180),MN-TI(180),FE-TI(180),HG-T(28),NA-TI(180),CA-TI(180),K-TI(180),CD-TI(180)
L2246011-12B	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2246011-12C	Glass 120ml/4oz unpreserved	A	NA		4.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),TS(7),HEXCR-7196(30)
L2246011-13A	Vial MeOH preserved	A	NA		4.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-13B	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-13C	Vial water preserved	A	NA		4.2	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-13D	Plastic 120ml unpreserved	A	NA		4.2	Y	Absent		TS(7)
L2246011-14A	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2246011-14B	Metals Only-Glass 60mL/2oz unpreserved	B	NA		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),PB-TI(180),SE-TI(180),CU-TI(180),ZN-TI(180),SB-TI(180),CO-TI(180),V-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),CD-TI(180),NA-TI(180),CA-TI(180),K-TI(180)
L2246011-14C	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-14D	Plastic 8oz unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-14E	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-15A	Vial MeOH preserved	B	NA		2.8	Y	Absent		NYTCL-8260HLW(14)
L2246011-15B	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-15C	Vial water preserved	B	NA		2.8	Y	Absent	25-AUG-22 06:21	NYTCL-8260HLW(14)
L2246011-15D	Plastic 2oz unpreserved for TS	B	NA		2.8	Y	Absent		TS(7)
L2246011-15E	Plastic 120ml unpreserved	B	NA		2.8	Y	Absent		TS(7)
L2246011-15F	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),SE-TI(180),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2246011-15G	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),HEXCR-7196(30)
L2246011-15H	Plastic 8oz unpreserved	B	NA		2.8	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-15J	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365)
L2246011-16A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2246011-16B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2246011-16C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2246011-16D	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2246011-17A	Vial Large Septa unpreserved (4oz)	A	NA		4.2	Y	Absent		TPH-GRO(14),TS(7)
L2246011-17B	Vial Large Septa unpreserved (4oz)	A	NA		4.2	Y	Absent		TCLP-EXT-ZHE(14)
L2246011-17X	Vial MeOH preserved split	A	NA		4.2	Y	Absent		TPH-GRO(14)
L2246011-17Y	Vial unpreserved Extracts	A	NA		4.2	Y	Absent		TCLP-VOA(14)
L2246011-17Z	Vial unpreserved Extracts	A	NA		4.2	Y	Absent		TCLP-VOA(14)
L2246011-18A	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HG-T(28)
L2246011-18B	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-18C	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		IGNIT-1030(14),REACTS(14),NJEPH-TPH-CAT2(14),TCN-9010(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-18X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.8	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2246011-18X9	Tumble Vessel	B	NA		2.8	Y	Absent		-
L2246011-19A	Vial Large Septa unpreserved (4oz)	B	NA		2.8	Y	Absent		TS(7)
L2246011-19B	Vial Large Septa unpreserved (4oz)	B	NA		2.8	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2246011-19X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		TPH-GRO(14)
L2246011-19Y	Vial unpreserved Extracts	B	NA		2.8	Y	Absent		TCLP-VOA(14)
L2246011-19Z	Vial unpreserved Extracts	B	NA		2.8	Y	Absent		TCLP-VOA(14)
L2246011-20A	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HG-T(28)
L2246011-20B	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-20C	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		TCN-9010(14),REACTS(14),IGNIT-1030(14),NJEPH-TPH-CAT2(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-20X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.8	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2246011-20X9	Tumble Vessel	B	NA		2.8	Y	Absent		-
L2246011-21A	Vial Large Septa unpreserved (4oz)	B	NA		2.8	Y	Absent		TS(7)
L2246011-21B	Vial Large Septa unpreserved (4oz)	B	NA		2.8	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2246011-21X	Vial MeOH preserved split	B	NA		2.8	Y	Absent		TPH-GRO(14)
L2246011-21Y	Vial unpreserved Extracts	B	NA		2.8	Y	Absent		TCLP-VOA(14)
L2246011-21Z	Vial unpreserved Extracts	B	NA		2.8	Y	Absent		TCLP-VOA(14)
L2246011-22A	Glass 60mL/2oz unpreserved	B	NA		2.8	Y	Absent		HG-T(28)
L2246011-22B	Glass 120ml/4oz unpreserved	B	NA		2.8	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-22C	Glass 500ml/16oz unpreserved	B	NA		2.8	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-22X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.8	Y	Absent		CD-CI(180),BA-CI(180),AS-CI(180),HG-C(28),PB-CI(180),SE-CI(180),CR-CI(180),AG-CI(180)
L2246011-22X9	Tumble Vessel	B	NA		2.8	Y	Absent		-
L2246011-23A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-23B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-23C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-23D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-24A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-24B	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),NI-TI(180),AL-TI(180),TL-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MN-TI(180),HG-T(28),MG-TI(180),NA-TI(180),K-TI(180),CA-TI(180),CD-TI(180)
L2246011-24C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-24D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-24E	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-25A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-25B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-25C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-25D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-26A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-26B	Glass 120ml/4oz unpreserved	B1	NA		3.2	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),ZN-TI(180),SE-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),MN-TI(180),FE-TI(180),CD-TI(180),K-TI(180),NA-TI(180),CA-TI(180)
L2246011-26C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-27A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-27B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-27C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-27D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-28A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-28B	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	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),SE-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),PB-TI(180),V-TI(180),CO-TI(180),MN-TI(180),FE-TI(180),HG-T(28),MG-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2246011-28C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-28D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-28E	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-29A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260H(14),NYTCL-8260HLW(14)
L2246011-29B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2246011-29C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260H(14),NYTCL-8260HLW(14)
L2246011-29D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-30A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-30B	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	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),SB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),PB-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MN-TI(180),MG-TI(180),CA-TI(180),NA-TI(180),CD-TI(180),K-TI(180)
L2246011-30C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-30D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-30E	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-31A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-31B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-31C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-31D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-32A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-32B	Glass 120ml/4oz unpreserved	B1	NA		3.2	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),SB-TI(180),ZN-TI(180),SE-TI(180),CU-TI(180),PB-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)
L2246011-32C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2246011-33A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-33B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-33C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-33D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-34A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-34B	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	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),PB-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),NA-TI(180),K-TI(180)
L2246011-34C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-34D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-34E	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-35A	Vial MeOH preserved	B1	NA		3.2	Y	Absent		NYTCL-8260HLW(14)
L2246011-35B	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-35C	Vial water preserved	B1	NA		3.2	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-35D	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)
L2246011-36A	Plastic 2oz unpreserved for TS	B1	NA		3.2	Y	Absent		TS(7)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-36B	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),NI-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),CU-TI(180),SE-TI(180),ZN-TI(180),PB-TI(180),SB-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)
L2246011-36C	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-36D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-36E	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-37A	Vial MeOH preserved	E1	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2246011-37B	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-37C	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-37D	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-38A	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-38B	Glass 120ml/4oz unpreserved	E1	NA		2.7	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),CU-TI(180),SB-TI(180),ZN-TI(180),SE-TI(180),CO-TI(180),V-TI(180),HG-T(28),MN-TI(180),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2246011-38C	Glass 120ml/4oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2246011-39A	Vial MeOH preserved	E1	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2246011-39B	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-39C	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-39D	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-40A	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-40B	Metals Only-Glass 60mL/2oz unpreserved	E1	NA		2.7	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),ZN-TI(180),CU-TI(180),SB-TI(180),SE-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),HG-T(28),MN-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2246011-40C	Glass 120ml/4oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-40D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-40E	Glass 500ml/16oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-41A	Vial MeOH preserved	E1	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2246011-41B	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-41C	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-41D	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-42A	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-42B	Metals Only-Glass 60mL/2oz unpreserved	E1	NA		2.7	Y	Absent		BE-TI(180),BA-TI(180),AS-TI(180),AG-TI(180),TL-TI(180),NI-TI(180),AL-TI(180),CR-TI(180),CU-TI(180),ZN-TI(180),PB-TI(180),SE-TI(180),SB-TI(180),V-TI(180),CO-TI(180),MG-TI(180),FE-TI(180),HG-T(28),MN-TI(180),K-TI(180),NA-TI(180),CA-TI(180),CD-TI(180)
L2246011-42C	Glass 120ml/4oz unpreserved	E1	NA		2.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-42D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-42E	Glass 500ml/16oz unpreserved	E1	NA		2.7	Y	Absent		TCN-9010(14),NYTCL-8270(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-43A	Vial MeOH preserved	E1	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2246011-43B	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-43C	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-43D	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-44A	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-44B	Glass 120ml/4oz unpreserved	E1	NA		2.7	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),PB-TI(180),SB-TI(180),ZN-TI(180),CU-TI(180),V-TI(180),CO-TI(180),FE-TI(180),MG-TI(180),MN-TI(180),HG-T(28),CD-TI(180),K-TI(180),CA-TI(180),NA-TI(180)
L2246011-44C	Glass 120ml/4oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HEXCR-7196(30)
L2246011-45A	Vial MeOH preserved	E1	NA		2.7	Y	Absent		NYTCL-8260HLW(14)
L2246011-45B	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)
L2246011-45C	Vial water preserved	E1	NA		2.7	Y	Absent	26-AUG-22 11:20	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
Project Number: 41.0162951.10

Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-45D	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-46A	Plastic 2oz unpreserved for TS	E1	NA		2.7	Y	Absent		TS(7)
L2246011-46B	Metals Only-Glass 60mL/2oz unpreserved	E1	NA		2.7	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),SB-TI(180),PB-TI(180),ZN-TI(180),CU-TI(180),SE-TI(180),V-TI(180),CO-TI(180),MN-TI(180),HG-T(28),MG-TI(180),FE-TI(180),K-TI(180),CA-TI(180),CD-TI(180),NA-TI(180)
L2246011-46C	Glass 120ml/4oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-46D	Plastic 8oz unpreserved	A1	NA		3.2	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-46E	Glass 500ml/16oz unpreserved	E1	NA		2.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),NYTCL-8081(14),NYTCL-8082(365),HEXCR-7196(30)
L2246011-47A	Vial HCl preserved	E1	NA		2.7	Y	Absent		NYTCL-8260(14)
L2246011-47B	Vial HCl preserved	E1	NA		2.7	Y	Absent		NYTCL-8260(14)
L2246011-47C	Vial HCl preserved	E1	NA		2.7	Y	Absent		NYTCL-8260(14)
L2246011-47D	Plastic 250ml unpreserved	E1	NA		2.7	Y	Absent		A2-NY-537-ISOTOPE(14)
L2246011-47E	Plastic 250ml HNO3 preserved	E1	<2	<2	2.7	Y	Absent		FE-6020T(180),BA-6020T(180),SE-6020T(180),TL-6020T(180),CA-6020T(180),CR-6020T(180),K-6020T(180),NI-6020T(180),ZN-6020T(180),NA-6020T(180),CU-6020T(180),PB-6020T(180),MN-6020T(180),BE-6020T(180),AS-6020T(180),SB-6020T(180),V-6020T(180),HG-T(28),MG-6020T(180),AL-6020T(180),CD-6020T(180),AG-6020T(180),CO-6020T(180)
L2246011-47F	Plastic 250ml NaOH preserved	E1	>12	>12	2.7	Y	Absent		TCN-9010(14)
L2246011-47G	Amber 120ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2246011-47H	Amber 120ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8082-LVI(365)
L2246011-47I	Amber 120ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2246011-47J	Amber 120ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8081(7)
L2246011-47K	Amber 250ml unpreserved	E1	7	7	2.7	Y	Absent		HEXCR-7196(1)
L2246011-47L	Amber 250ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2246011-47M	Amber 250ml unpreserved	E1	7	7	2.7	Y	Absent		NYTCL-8270-SIM-LVI(7),NYTCL-8270-LVI(7)
L2246011-47N	Amber 250ml unpreserved	E1	7	7	2.7	Y	Absent		A2-1,4-DIOXANE-SIM(7)

*Values in parentheses indicate holding time in days

Project Name: 101 E 150TH ST STREET RI
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Lab Number: L2246011
Report Date: 09/19/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2246011-47O	Amber 1000ml unpreserved	E1	7	7	2.7	Y	Absent		HERB-APA(7)
L2246011-47P	Amber 1000ml unpreserved	E1	7	7	2.7	Y	Absent		HERB-APA(7)
L2246011-48A	Vial HCl preserved	B1	NA		3.2	Y	Absent		NYTCL-8260(14)
L2246011-48B	Vial HCl preserved	B1	NA		3.2	Y	Absent		NYTCL-8260(14)
L2246011-49A	Vial Large Septa unpreserved (4oz)	B1	NA		3.2	Y	Absent		TS(7)
L2246011-49B	Vial Large Septa unpreserved (4oz)	B1	NA		3.2	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L2246011-49B9	Vial MeOH preserved split	B1	NA		3.2	Y	Absent		TPH-GRO(14)
L2246011-49S	Vial unpreserved Extracts	B1	NA		3.2	Y	Absent		TCLP-VOA(14)
L2246011-49T	Vial unpreserved Extracts	B1	NA		3.2	Y	Absent		TCLP-VOA(14)
L2246011-50A	Metals Only-Glass 60mL/2oz unpreserved	B1	NA		3.2	Y	Absent		HG-T(28)
L2246011-50B	Glass 120ml/4oz unpreserved	B1	NA		3.2	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-50C	Glass 500ml/16oz unpreserved	B1	NA		3.2	Y	Absent		NJEPH-TPH-CAT2(14),TCN-9010(14),IGNIT-1030(14),REACTS(14),TS(7),PH-9045(1),PAINTF(),REACTCN(14),HEXCR-7196(30)
L2246011-50X	Plastic 120ml HNO3 preserved Extracts	B1	NA		3.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2246011-50X9	Tumble Vessel	B1	NA		3.2	Y	Absent		-

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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	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	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
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	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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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).

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.

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

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

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

Page 1 of 3

Date Rec'd in Lab: 8/24/22

ALPHA Job #: L2246011

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St
NY, NY 10001
Phone: 212 544 6140
Fax:
Email: Rembi.Muiyiwa@gza.com

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162051.10
(Use Project name as Project #) ☐
Project Manager: Rembi Muiyiwa
ALPHAQuote #: 14508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Open SDG. * Metals are analyzed for total Cyanide and Hex Chrom

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

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

Sample Filtration

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260	TCL SVOCs 8270	TAL Metals 6010/7471	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
46011-01	SB-24 (7')	8/24/22	14:45	Soil		X									4
-02	SB-24 (4-7')		14:05				X	X							3
-03	SB-24 (4')		14:16			X									2
-04	SB-24 (8-10')		14:10				X	X	X	X	X	X	X		5
-05	SB-28 (1')		14:30			X									2
-06	SB-28 (1-3')		14:30				X	X	X	X	X	X	X		5
-07	SB-28 (4')		14:35			X									2
-08	SB-28 (8-10')		14:35				X	X	X	X	X	X	X		5
-09	MS-SB-28 (4')		14:37			X									2
-10	MS-SB-28 (8-10')		14:37				X	X	X	X	X	X	X		5

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	A	P	A	
Preservative	C	A						→	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/22 15:45	MSM via UPS	8/24/22 1705
MSM via UPS	8/24/22 14:35		8/24 1931
	8/24 2120		8/24/22 2120
	8/24/22 2330		8/24/22 2330

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 3

Date Rec'd in Lab 08/24/22

ALPHA Job # L2246811

Client Information
Client: GZA
Address: 104 W 29th St
NY, NY 10001
Phone: 212-594-8140
Fax:
Email: Reinhill.Manigwet@

Project Information
Project Name: 61 E 150th St RI
Project Location:
Project #: 41.0162915.10
(Use Project name as Project #) ☐
Project Manager: Reinhill Manigwet
ALPHAQuote #: 145C8

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:

* Metals analyzed for total Cyanide Hexchrom. as well

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	TCL VOCs +TICs 8260	TCL SVOCs +TICs 8270	TAL Metals 6010	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PCAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
46011-07	MSD-SB-26 (9')	8/24/22	14:34	Soil	JB	X									4
-08	MSD-SB-26 (8-10')		14:34				X	X	X	X	X	X	X		5
-09	SB-26 (1')		15:10			X									4
-10	SB-26 (1-3')		15:10				X	X	X	X	X	X	X		5
-11	SB-26 (6')		15:15			X									4
-12	SB-26 (4-7')		15:15				X	X							3
-13	SB-26 (9')		15:20			X									4
-14	SB-26 (8-10')		15:20				X	X	X	X	X	X	X		5
-15	D.I.-Soil-8.24.22			↓		X	X	X	X	X	X	X	X		9
-16	Trip Blank	↓		water	↓	X									2

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

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

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

Container Type	V	A				P	A
Preservative	O	A					

Relinquished By:	Date/Time	Received By:	Date/Time
	8/24/22 15:45	MSMW (via)	8/24/22 1705
MSMW (via)	8/24/22 18:25		8/24 1930
	8/24 2120		8/24/22 2120
	8/24/22 2330		8/24/22 2330

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
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FAX: 506-898-9193

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

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

Page: 3 of 3

Date Rec'd in Lab: 08/24/22

ALPHA Job #: L2246011

Client Information

Client: GZA
Address: 104 W 29th St NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manjarez@GZA.com

Project Information

Project Name: 101 E 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Manjarez
ALPHAQuote #: 19584

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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	TCLP VOCs	TPH GRO 5035	Cyanide 9012B	Hex Chrom 7196A	Paint Filter 9095A	NJ EPH	Corrosivity 9045D	Ignitability 1030	Cyanide Reactivity 7.3.3.2	Sulfide Reactivity 7.3.4.2	TCLP Metals 6010	Sample Specific Comments	Total Bottle
46011-17	WC-04 (1')	8/24/22	14:15	Soil	JB	X	X											2
-18	WC-04		14:15					X	X	X	X	X	X	X	X	X		3
-19	WC-11 (6')		14:50			X	X											2
-20	WC-11		14:50					X	X	X	X	X	X	X	X	X		3
-21	WC-13 (1')		15:25			X	X											2
-22	WC-13	↓	15:25	↓	↓			X	X	X	X	X	X	X	X	X		3

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

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

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

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

Container Type	A										
Preservative	A										

Relinquished By:	Date/Time	Received By:	Date/Time
MSM	8/24/22 15:45	MSM	8/24/22 1705
AAC	8/24/22 18:25	AAC	8/24/22 1930
	8/24/22 2130		8/24/22 2212
	8/24/22 2330		8/24/22 2330

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

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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 4

Date Rec'd in Lab: 8/26/22

ALPHA Job #: L2246011

Client Information
Client: GZA
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Munguer@gza.com

Project Information
Project Name: 101 & 150th St RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager: Reinbill Munguer
ALPHAQuote #: 19509

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

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:
Add to SDG L2246011
Okay to close SDG
* Metals are also analyzed for Total Cyanide & Hex Chrom.

Please specify Metals or TAL.

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs +TICs 8260	TCL SVOCs +TICs 8270	TAL Metals Cr(VI)* 7196	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
46011-23	SB-25 (2')	8/25/22	8:45	Soil		X									4
-24	SB-25 (1-3')		8:45				X	X	X	X	X	X	X		5
-25	SB-25 (5')		8:50			X									4
-26	SB-25 (4-7')		8:50				X	X							3
-27	SB-25 (9')		8:55			X									4
-28	SB-25 (7-9')		8:55				X	X	X	X	X	X	X		5
-29	SB-17 (2')		10:20			X									4
-30	SB-17 (1-3')		10:20				X	X	X	X	X	X	X		5
-31	SB-17 (4')		10:25			X									4
-32	SB-17 (4-7')		10:25	↓	↓		X	X							3

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	
Preservative	O	A						→	

Relinquished By:	Date/Time	Received By:	Date/Time
	8/25/22 1510	Luis Morales	8/25/22 1710
Luis Morales	8/25/22 1960	Paul Mazzella	8/25/22 2000
Paul Mazzella 8/25/22		GF AM L	8/26/22 0059
GF AM L	8/26/22 0220		8/26/22 0220

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)

ALPHA ANALYTICAL

Westborough, MA 01581
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Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

NEW YORK CHAIN OF CUSTODY

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

Page 2 of 4

Date Rec'd in Lab: 8/26/22

ALPHA Job #: L2246011

Client Information

Client: GZA
Address: 164 W 25th St NY, NY 10001
Phone: 717 544 8140
Fax:
Email: Reinbill.Manigwet@GZA.com

Project Information

Project Name: 161 E 150th St BX
Project Location:
Project #: 11.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manigwet
ALPHAQuote #: 14508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☑ # of Days: 1 week

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

* Metals are also analyzed for total Cyanide & Hex Chrom.

Please specify Metals or TAL.

Deliverables

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

Regulatory Requirement

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

Billing Information

☐ Same as Client Info
PO #

Disposal Site Information

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

ANALYSIS

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

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TAL Vocs + TICs 8260	TAL SVOCs + TICs 8270	TAL Metals (Cyanide) 7471	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082A	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total Bottle
46011-33	SB-17 (7')	8/25/22	10:30	Soil		X									5
-34	SB-17 (7-9')		10:30				X	X	X	X	X	X	X		5
-35	SB-19 (3')		11:05			X									4
-36	SB-19 (1-3')		11:05				X	X	X	X	X	X	X		5
-37	SB-19 (4')		11:10			X									4
-38	SB-19 (4-7')		11:10				X	X							3
-39	SB-19 (7')		11:15			X									4
-40	SB-19 (7-9')		11:15				X	X	X	X	X	X	X		5
-41	SB-24 (2')		11:55			X									4
-42	SB-24 (1-3')		11:55				X	X	X	X	X	X	X		5

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					
Preservative	C	A											

Relinquished By:	Date/Time	Received By:	Date/Time
	8/25/22 1510	Luis Morales	8/25/22 1910
Luis Morales	8/25/22 1950	Paul Mazzella	8/25/22 2005
Paul Mazzella	8/25/22	GZ ADL	8/26/22 0059
GZ ADL	8/26/22 0230		8/26/22 0230

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 3 of 4

Date Rec'd in Lab: 8/26/22

ALPHA Job #: L2246011

Client Information
Client: GZA
Address: 104 W 29th St NY NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manriquez@gza.com

Project Information
Project Name: 101 E 150th Street RI
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manriquez
ALPHAQuote #: 19505

Turn-Around Time
Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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:
Metals are also analyzed for total Cyanide & Hexchrom. *

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	TCL VOCs + TICs 8260	TCL SVOCs + TICs 8270	TAL Metals 6010/7471	TAL Pest 8081	TAL Herb 8151	TAL PCBs 8082	PFAS 537.1	1,4-Dioxane	Sample Specific Comments	Total # Bottles
46011-43	SB-24 (4')	8/25/22	10:25	Soil		X									1
-44	SB-24 (4-7')		10:25				X	X							2
-45	SB-24 (7')		10:30			X									1
-46	SB-24 (7-9')		10:30				X	X	X	X	X	X	X		5
-47	Field Blank-Soil-8.25.22	8/25/22	4:30	Water		X	X	X	X	X	X	X	X		14
-48	Trip Blank VOA			Water		X									

Container Type: V | A | A/P | A | A | A | P | A
Preservative: C | 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
	8/25/22 1510	Luis Morales	8/26/22 1210
Luis Morales	8/25/22 1930	Paul Mazzella	8/25/22 2025
Paul Mazzella	8/25/22	GZA ANL	8/26/22 0059
GZA ANL	8/26/22 0230		8/26/22 0230

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 4 of 4

Date Rec'd in Lab: 8/26/22

ALPHA Job #: L2246011

Client Information

Client: GZA
Address: 104 W 29th St
NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Mendivel@GZA.com

Project Information

Project Name: 101 E 150th St RE
Project Location:
Project #: 41.0162951.10
(Use Project name as Project #) ☐
Project Manager:
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Due Date:
Rush (only if pre approved) ☒ # of Days: 1 week

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	TCLP VOCs	TCLP SVOCs	TCLP Pesticides	TCLP Herbicides	TCLP Metals	Ignitability	Cyanide Reactivity	TCLP Metals (Hg, Se, As, Ba, Cd, Cr, Pb, Ag) by 7470/7742/6010	Total Bottle
46011-49	WC-18 (6')	8/25/22	9:00	Soil	MD	X	X							2
-50	WC-18	8/25/22	9:00	Soil				X	X	X	X	X	X	3

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: A
Preservative: A

Relinquished By:	Date/Time	Received By:	Date/Time
	8/25/22 1510	Luis Morales	8/25/22 1910
Luis Morales	8/25/22 1950	Paul Mazzella	8/25/22 2000
Paul Mazzella 8/25/22		ec AAL	8/26/22 0054
ec AAL 8/26/22 0230			8/26/22 0230

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:	L2249841
Client:	GZA GeoEnvironmental, Inc. 104 West 29th Street, 10th Floor New York, NY 10001
ATTN:	Reinbill Maniquez
Phone:	(212) 594-8140
Project Name:	101 E. 150TH ST. RI
Project Number:	41.0162951.10
Report Date:	09/20/22

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-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2249841-01	WC_16 (11')	SOIL	101 E. 150TH ST	09/13/22 10:50	09/13/22
L2249841-02	WC_16	SOIL	101 E. 150TH ST	09/13/22 10:50	09/13/22
L2249841-03	WC_17 (10')	SOIL	101 E. 150TH ST	09/13/22 11:25	09/13/22
L2249841-04	WC_17	SOIL	101 E. 150TH ST	09/13/22 11:25	09/13/22

Project Name:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
Project Number:	41.0162951.10	**Report Date:**	09/20/22

Case Narrative

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

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

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

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

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

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

Project Name:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
Project Number:	41.0162951.10	**Report Date:**	09/20/22

Case Narrative (continued)

Report Submission

September 20, 2022: This final report includes the results of all requested analyses.

September 19, 2022: This is a preliminary report.

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

Total Metals

L2249841-02 and -04: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1688096-2/-3 LCS/LCSD recoveries for cyanide, total (62%/78%), associated with L2249841-02 and -04, are outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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

Authorized Signature: Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative Date: 09/20/22

ORGANICS

VOLATILES

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01
Client ID: WC_16 (11')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/19/22 09:58
Analyst: MM
Percent Solids: 83%
TCLP/SPLP Ext. Date: 09/16/22 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
dibromofluoromethane	**131**	Q	70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01
Client ID: WC_16 (11')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/22 07:05
Analyst: LAC
Percent Solids: 83%

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	0.32	1
Tetrachloroethene	0.95		ug/kg	0.61	0.24	1
Chlorobenzene	ND		ug/kg	0.61	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.9	0.84	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	0.35	J	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	0.19	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	0.66	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: 101 E. 150TH ST. RI **Lab Number:** L2249841

Project Number: 41.0162951.10 **Report Date:** 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01 Date Collected: 09/13/22 10:50

Client ID: WC_16 (11') Date Received: 09/13/22

Sample Location: 101 E. 150TH ST 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	0.61	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	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.68	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	0.81	J	ug/kg	1.2	0.21	1
1,2-Dichloroethene, Total	0.81	J	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	5.8	1
Carbon disulfide	ND		ug/kg	12	5.5	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	0.15	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	0.24	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	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.9	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	4.9	0.79	1
Acrylonitrile	ND		ug/kg	4.9	1.4	1

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01
Client ID: WC_16 (11')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
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	0.39	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.33	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
1,4-Dioxane	ND		ug/kg	97	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	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.1	1.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	84		70-130
Dibromofluoromethane	115		70-130

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03
Client ID: WC_17 (10')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/19/22 10:23
Analyst: MM
Percent Solids: 91%
TCLP/SPLP Ext. Date: 09/16/22 13:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	124		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
dibromofluoromethane	**131**	Q	70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03
Client ID: WC_17 (10')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/22 07:26
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	5.1	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	0.53		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	1.5		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	0.96	1
Bromomethane	ND		ug/kg	2.0	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 101 E. 150TH ST. RI **Lab Number:** L2249841

Project Number: 41.0162951.10 **Report Date:** 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03 Date Collected: 09/13/22 11:25

Client ID: WC_17 (10') Date Received: 09/13/22

Sample Location: 101 E. 150TH ST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.21	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.14	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.20	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03
Client ID: WC_17 (10')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
1,4-Dioxane	ND		ug/kg	82	36.	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.20	1
Ethyl ether	ND		ug/kg	2.0	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	85		70-130
Dibromofluoromethane	115		70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/22 06:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1688578-5					
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	0.66	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: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/22 06:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1688578-5					
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: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/22 06:42
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01,03 Batch: WG1688578-5					
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	130		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	83		70-130
Dibromofluoromethane	129		70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/19/22 05:31
Analyst: MM
TCLP/SPLP Extraction Date: 09/16/22 13:03

Extraction Date: 09/16/22 13:03

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 01,03 Batch: WG1689158-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	109		70-130

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1688578-3 WG1688578-4								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	100		97		70-130	3		30
Carbon tetrachloride	91		89		70-130	2		30
1,2-Dichloropropane	92		92		70-130	0		30
Dibromochloromethane	90		87		70-130	3		30
1,1,2-Trichloroethane	94		91		70-130	3		30
Tetrachloroethene	107		101		70-130	6		30
Chlorobenzene	100		98		70-130	2		30
Trichlorofluoromethane	110		109		70-139	1		30
1,2-Dichloroethane	91		92		70-130	1		30
1,1,1-Trichloroethane	98		97		70-130	1		30
Bromodichloromethane	89		89		70-130	0		30
trans-1,3-Dichloropropene	88		85		70-130	3		30
cis-1,3-Dichloropropene	86		86		70-130	0		30
1,1-Dichloropropene	99		97		70-130	2		30
Bromoform	88		86		70-130	2		30
1,1,2,2-Tetrachloroethane	88		87		70-130	1		30
Benzene	96		95		70-130	1		30
Toluene	98		93		70-130	5		30
Ethylbenzene	101		96		70-130	5		30
Chloromethane	112		108		52-130	4		30
Bromomethane	137		135		57-147	1		30

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1688578-3 WG1688578-4								
Vinyl chloride	117		113		67-130	3		30
Chloroethane	124		118		50-151	5		30
1,1-Dichloroethene	109		102		65-135	7		30
trans-1,2-Dichloroethene	100		100		70-130	0		30
Trichloroethene	103		102		70-130	1		30
1,2-Dichlorobenzene	100		96		70-130	4		30
1,3-Dichlorobenzene	102		97		70-130	5		30
1,4-Dichlorobenzene	98		95		70-130	3		30
Methyl tert butyl ether	70		72		66-130	3		30
p/m-Xylene	104		100		70-130	4		30
o-Xylene	100		96		70-130	4		30
cis-1,2-Dichloroethene	97		95		70-130	2		30
Dibromomethane	90		91		70-130	1		30
Styrene	101		98		70-130	3		30
Dichlorodifluoromethane	111		106		30-146	5		30
Acetone	108		112		54-140	4		30
Carbon disulfide	106		103		59-130	3		30
2-Butanone	81		86		70-130	6		30
Vinyl acetate	**69**	Q	72		70-130	4		30
4-Methyl-2-pentanone	82		84		70-130	2		30
1,2,3-Trichloropropane	92		90		68-130	2		30
2-Hexanone	82		83		70-130	1		30
Bromochloromethane	98		99		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1688578-3 WG1688578-4								
2,2-Dichloropropane	94		93		70-130	1		30
1,2-Dibromoethane	93		91		70-130	2		30
1,3-Dichloropropane	90		89		69-130	1		30
1,1,1,2-Tetrachloroethane	93		90		70-130	3		30
Bromobenzene	96		92		70-130	4		30
n-Butylbenzene	106		101		70-130	5		30
sec-Butylbenzene	104		98		70-130	6		30
tert-Butylbenzene	99		94		70-130	5		30
o-Chlorotoluene	97		91		70-130	6		30
p-Chlorotoluene	98		94		70-130	4		30
1,2-Dibromo-3-chloropropane	90		92		68-130	2		30
Hexachlorobutadiene	103		101		67-130	2		30
Isopropylbenzene	98		92		70-130	6		30
p-Isopropyltoluene	103		97		70-130	6		30
Naphthalene	94		92		70-130	2		30
Acrylonitrile	87		89		70-130	2		30
n-Propylbenzene	102		96		70-130	6		30
1,2,3-Trichlorobenzene	100		98		70-130	2		30
1,2,4-Trichlorobenzene	99		97		70-130	2		30
1,3,5-Trimethylbenzene	100		95		70-130	5		30
1,2,4-Trimethylbenzene	99		95		70-130	4		30
1,4-Dioxane	89		93		65-136	4		30
p-Diethylbenzene	100		95		70-130	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01,03 Batch: WG1688578-3 WG1688578-4								
p-Ethyltoluene	100		95		70-130	5		30
1,2,4,5-Tetramethylbenzene	89		86		70-130	3		30
Ethyl ether	84		82		67-130	2		30
trans-1,4-Dichloro-2-butene	84		85		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	101		98		70-130
4-Bromofluorobenzene	88		85		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 01,03 Batch: WG1689158-3 WG1689158-4								
Chloroform	120		110		70-130	9		20
Carbon tetrachloride	130		120		63-132	8		20
Tetrachloroethene	100		110		70-130	10		20
Chlorobenzene	99		100		75-130	1		25
1,2-Dichloroethane	120		110		70-130	9		20
Benzene	110		100		70-130	10		25
Vinyl chloride	89		89		55-140	0		20
1,1-Dichloroethene	120		100		61-145	18		25
Trichloroethene	110		110		70-130	0		25
1,4-Dichlorobenzene	93		93		70-130	0		20
2-Butanone	87		89		63-138	2		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		106		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	89		90		70-130
dibromofluoromethane	110		109		70-130

SEMIVOLATILES

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/22 14:41
Analyst: IM
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 05:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	220	25.	1
Hexachlorobenzene	ND		ug/kg	130	25.	1
Bis(2-chloroethyl)ether	ND		ug/kg	200	30.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
1,2-Dichlorobenzene	ND		ug/kg	220	40.	1
1,3-Dichlorobenzene	ND		ug/kg	220	38.	1
1,4-Dichlorobenzene	ND		ug/kg	220	39.	1
3,3'-Dichlorobenzidine	ND		ug/kg	220	59.	1
2,4-Dinitrotoluene	ND		ug/kg	220	44.	1
2,6-Dinitrotoluene	ND		ug/kg	220	38.	1
Fluoranthene	42	J	ug/kg	130	26.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	220	24.	1
4-Bromophenyl phenyl ether	ND		ug/kg	220	34.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	270	38.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	240	22.	1
Hexachlorobutadiene	ND		ug/kg	220	32.	1
Hexachlorocyclopentadiene	ND		ug/kg	640	200	1
Hexachloroethane	ND		ug/kg	180	36.	1
Isophorone	ND		ug/kg	200	29.	1
Naphthalene	ND		ug/kg	220	27.	1
Nitrobenzene	ND		ug/kg	200	33.	1
NDPA/DPA	ND		ug/kg	180	25.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	220	34.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	220	77.	1
Butyl benzyl phthalate	ND		ug/kg	220	56.	1
Di-n-butylphthalate	ND		ug/kg	220	42.	1
Di-n-octylphthalate	ND		ug/kg	220	76.	1

Project Name: 101 E. 150TH ST. RI **Lab Number:** L2249841

Project Number: 41.0162951.10 **Report Date:** 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02 Date Collected: 09/13/22 10:50

Client ID: WC_16 Date Received: 09/13/22

Sample Location: 101 E. 150TH ST 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	220	21.	1
Dimethyl phthalate	ND		ug/kg	220	47.	1
Benzo(a)anthracene	26	J	ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	54.	1
Benzo(b)fluoranthene	ND		ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	36.	1
Chrysene	25	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	ND		ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	22.	1
Phenanthrene	34	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	26.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	31.	1
Pyrene	43	J	ug/kg	130	22.	1
Biphenyl	ND		ug/kg	510	29.	1
4-Chloroaniline	ND		ug/kg	220	40.	1
2-Nitroaniline	ND		ug/kg	220	43.	1
3-Nitroaniline	ND		ug/kg	220	42.	1
4-Nitroaniline	ND		ug/kg	220	92.	1
Dibenzofuran	ND		ug/kg	220	21.	1
2-Methylnaphthalene	ND		ug/kg	270	27.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	220	23.	1
Acetophenone	ND		ug/kg	220	28.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	42.	1
p-Chloro-m-cresol	ND		ug/kg	220	33.	1
2-Chlorophenol	ND		ug/kg	220	26.	1
2,4-Dichlorophenol	ND		ug/kg	200	36.	1
2,4-Dimethylphenol	ND		ug/kg	220	73.	1
2-Nitrophenol	ND		ug/kg	480	84.	1
4-Nitrophenol	ND		ug/kg	310	91.	1
2,4-Dinitrophenol	ND		ug/kg	1100	100	1
4,6-Dinitro-o-cresol	ND		ug/kg	580	110	1
Pentachlorophenol	ND		ug/kg	180	49.	1
Phenol	ND		ug/kg	220	34.	1
2-Methylphenol	ND		ug/kg	220	34.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	320	35.	1

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
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	220	43.	1
Benzoic Acid	ND		ug/kg	720	220	1
Benzyl Alcohol	ND		ug/kg	220	68.	1
Carbazole	ND		ug/kg	220	22.	1
1,4-Dioxane	ND		ug/kg	33	10.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	74		25-120
Phenol-d6	82		10-120
Nitrobenzene-d5	70		23-120
2-Fluorobiphenyl	80		30-120
2,4,6-Tribromophenol	96		10-136
4-Terphenyl-d14	88		18-120

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/19/22 15:05
Analyst: IM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 05:03

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1

Project Name: 101 E. 150TH ST. RI **Lab Number:** L2249841

Project Number: 41.0162951.10 **Report Date:** 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04 Date Collected: 09/13/22 11:25

Client ID: WC_17 Date Received: 09/13/22

Sample Location: 101 E. 150TH ST Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	150	47.	1
Benzo(b)fluoranthene	ND		ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	25.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	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: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
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	66		25-120
Phenol-d6	69		10-120
Nitrobenzene-d5	60		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	65		18-120

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/22 09:55
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/17/22 05:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1688637-1					
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	29.
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: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/22 09:55
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/17/22 05:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1688637-1					
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: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/19/22 09:55
Analyst: IM

Extraction Method: EPA 3546
Extraction Date: 09/17/22 05:03

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 02,04 Batch: WG1688637-1					
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	78.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	37.
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	64		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	63		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1688637-2 WG1688637-3								
Acenaphthene	52		64		31-137	21		50
1,2,4-Trichlorobenzene	48		58		38-107	19		50
Hexachlorobenzene	51		65		40-140	24		50
Bis(2-chloroethyl)ether	51		60		40-140	16		50
2-Chloronaphthalene	50		60		40-140	18		50
1,2-Dichlorobenzene	49		58		40-140	17		50
1,3-Dichlorobenzene	48		57		40-140	17		50
1,4-Dichlorobenzene	48		56		28-104	15		50
3,3'-Dichlorobenzidine	43		55		40-140	24		50
2,4-Dinitrotoluene	67		83		40-132	21		50
2,6-Dinitrotoluene	58		69		40-140	17		50
Fluoranthene	57		69		40-140	19		50
4-Chlorophenyl phenyl ether	53		66		40-140	22		50
4-Bromophenyl phenyl ether	53		66		40-140	22		50
Bis(2-chloroisopropyl)ether	49		57		40-140	15		50
Bis(2-chloroethoxy)methane	53		65		40-117	20		50
Hexachlorobutadiene	47		56		40-140	17		50
Hexachlorocyclopentadiene	**28**	Q	**36**	Q	40-140	25		50
Hexachloroethane	53		62		40-140	16		50
Isophorone	49		62		40-140	23		50
Naphthalene	51		60		40-140	16		50
Nitrobenzene	61		70		40-140	14		50
NDPA/DPA	56		68		36-157	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1688637-2 WG1688637-3								
n-Nitrosodi-n-propylamine	49		62		32-121	23		50
Bis(2-ethylhexyl)phthalate	65		83		40-140	24		50
Butyl benzyl phthalate	66		81		40-140	20		50
Di-n-butylphthalate	62		75		40-140	19		50
Di-n-octylphthalate	67		84		40-140	23		50
Diethyl phthalate	56		70		40-140	22		50
Dimethyl phthalate	51		61		40-140	18		50
Benzo(a)anthracene	54		67		40-140	21		50
Benzo(a)pyrene	60		73		40-140	20		50
Benzo(b)fluoranthene	55		71		40-140	25		50
Benzo(k)fluoranthene	57		67		40-140	16		50
Chrysene	54		67		40-140	21		50
Acenaphthylene	55		67		40-140	20		50
Anthracene	55		68		40-140	21		50
Benzo(ghi)perylene	54		70		40-140	26		50
Fluorene	53		67		40-140	23		50
Phenanthrene	54		66		40-140	20		50
Dibenzo(a,h)anthracene	53		68		40-140	25		50
Indeno(1,2,3-cd)pyrene	57		72		40-140	23		50
Pyrene	57		68		35-142	18		50
Biphenyl	49		60		37-127	20		50
4-Chloroaniline	**29**	Q	**32**	Q	40-140	10		50
2-Nitroaniline	69		83		47-134	18		50

Lab Control Sample Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1688637-2 WG1688637-3								
3-Nitroaniline	55		68		26-129	21		50
4-Nitroaniline	62		76		41-125	20		50
Dibenzofuran	54		65		40-140	18		50
2-Methylnaphthalene	51		62		40-140	19		50
1,2,4,5-Tetrachlorobenzene	48		56		40-117	15		50
Acetophenone	48		58		14-144	19		50
2,4,6-Trichlorophenol	53		65		30-130	20		50
p-Chloro-m-cresol	59		71		26-103	18		50
2-Chlorophenol	54		68		25-102	23		50
2,4-Dichlorophenol	54		66		30-130	20		50
2,4-Dimethylphenol	54		67		30-130	21		50
2-Nitrophenol	69		86		30-130	22		50
4-Nitrophenol	76		89		11-114	16		50
2,4-Dinitrophenol	53		60		4-130	12		50
4,6-Dinitro-o-cresol	88		112		10-130	24		50
Pentachlorophenol	47		58		17-109	21		50
Phenol	51		61		26-90	18		50
2-Methylphenol	57		70		30-130.	20		50
3-Methylphenol/4-Methylphenol	56		69		30-130	21		50
2,4,5-Trichlorophenol	55		67		30-130	20		50
Benzoic Acid	16		18		10-110	12		50
Benzyl Alcohol	54		66		40-140	20		50
Carbazole	58		70		54-128	19		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 02,04 Batch: WG1688637-2 WG1688637-3								
1,4-Dioxane	51		50		40-140	2		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	63		75		25-120
Phenol-d6	62		77		10-120
Nitrobenzene-d5	68		81		23-120
2-Fluorobiphenyl	55		67		30-120
2,4,6-Tribromophenol	70		85		10-136
4-Terphenyl-d14	63		79		18-120

PETROLEUM HYDROCARBONS

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01
Client ID: WC_16 (11')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 09/16/22 16:11
Analyst: BAD
Percent Solids: 83%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	2200		ug/kg	1500	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	98		70-130
4-Bromofluorobenzene	87		70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 09/18/22 21:22
Analyst: SC
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 01:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	31.4	31.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		40-140
o-Terphenyl	83		40-140

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03
Client ID: WC_17 (10')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 09/16/22 16:42
Analyst: BAD
Percent Solids: 91%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Gasoline Range Organics - Westborough Lab						
Gasoline Range Organics	700	J	ug/kg	1900	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		70-130
4-Bromofluorobenzene	85		70-130

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 09/18/22 20:11
Analyst: SC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 01:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	27.2	27.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	81		40-140
o-Terphenyl	82		40-140

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 09/17/22 17:13
Analyst: SC

Extraction Method: EPA 3546
Extraction Date: 09/16/22 08:59

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02,04 Batch: WG1688285-1					
Total EPH	ND		mg/kg	23.6	23.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	69		40-140
o-Terphenyl	72		40-140

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 09/16/22 15:09
Analyst: BAD

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 01,03 Batch: WG1688521-10					
Gasoline Range Organics	1200	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	97		70-130
4-Bromofluorobenzene	82		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 Batch: WG1688285-2 WG1688285-3								
Total EPH	102		91		40-140	11		25
Nonane (C9)	99		92		40-140	7		25
Decane (C10)	103		92		40-140	11		25
Dodecane (C12)	97		90		40-140	7		25
Tetradecane (C14)	91		85		40-140	7		25
Hexadecane (C16)	89		82		40-140	8		25
Octadecane (C18)	87		81		40-140	7		25
Eicosane (C20)	87		80		40-140	8		25
Heneicosane (C21)	86		79		40-140	8		25
Docosane (C22)	85		79		40-140	7		25
Tetracosane (C24)	83		77		40-140	8		25
Hexacosane (C26)	81		75		40-140	8		25
Octacosane (C28)	80		74		40-140	8		25
Triacontane (C30)	80		74		40-140	8		25
Dotriacontane (C32)	80		74		40-140	8		25
Tetratriacontane (C34)	78		71		40-140	9		25
Hexatriacontane (C36)	80		74		40-140	8		25
Octatriacontane (C38)	86		81		40-140	6		25
Tetracontane (C40)	94		89		40-140	5		25

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 Batch: WG1688285-2 WG1688285-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	76		69		40-140
o-Terphenyl	78		72		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab	Associated sample(s): 01,03		Batch: WG1688521-8		WG1688521-9			
Gasoline Range Organics	103		106		80-120	3		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	99		99		70-130
4-Bromofluorobenzene	81		81		70-130

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688285-4 QC Sample: L2248916-16 Client ID: MS Sample												
Total EPH	46.3	295	235	64		-	-		40-140	-		50
Nonane (C9)	ND	8.19	6.25	76		-	-		40-140	-		50
Decane (C10)	ND	8.19	6.34	77		-	-		40-140	-		50
Dodecane (C12)	ND	8.19	6.09	74		-	-		40-140	-		50
Tetradecane (C14)	ND	8.19	5.73	70		-	-		40-140	-		50
Hexadecane (C16)	ND	8.19	5.58	68		-	-		40-140	-		50
Octadecane (C18)	ND	8.19	5.54	68		-	-		40-140	-		50
Eicosane (C20)	ND	8.19	5.57	68		-	-		40-140	-		50
Heneicosane (C21)	ND	8.19	5.51	67		-	-		40-140	-		50
Docosane (C22)	ND	8.19	5.49	67		-	-		40-140	-		50
Tetracosane (C24)	ND	8.19	5.36	65		-	-		40-140	-		50
Hexacosane (C26)	ND	8.19	5.26	64		-	-		40-140	-		50
Octacosane (C28)	ND	8.19	5.17	63		-	-		40-140	-		50
Triacontane (C30)	ND	8.19	5.22	64		-	-		40-140	-		50
Dotriacontane (C32)	ND	8.19	5.28	65		-	-		40-140	-		50
Tetratriacontane (C34)	ND	8.19	5.05	62		-	-		40-140	-		50
Hexatriacontane (C36)	ND	8.19	5.23	64		-	-		40-140	-		50
Octatriacontane (C38)	ND	8.19	5.54	68		-	-		40-140	-		50
Tetracontane (C40)	ND	8.19	6.10	75		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	57				40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688285-4 QC Sample: L2248916-16 Client ID: MS Sample												

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
o-Terphenyl	59				40-140

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688285-5 QC Sample: L2248916-16 Client ID: DUP Sample						
Total EPH	46.3	54.2	mg/kg	16		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	63		67		40-140
o-Terphenyl	65		69		40-140

PCBS

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/18/22 16:47
Analyst: SDC
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 21:56
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	44.4	3.94	1	A
Aroclor 1221	ND		ug/kg	44.4	4.45	1	A
Aroclor 1232	ND		ug/kg	44.4	9.41	1	A
Aroclor 1242	ND		ug/kg	44.4	5.98	1	A
Aroclor 1248	ND		ug/kg	44.4	6.66	1	A
Aroclor 1254	ND		ug/kg	44.4	4.86	1	A
Aroclor 1260	ND		ug/kg	44.4	8.20	1	A
Aroclor 1262	ND		ug/kg	44.4	5.64	1	A
Aroclor 1268	ND		ug/kg	44.4	4.60	1	A
PCBs, Total	ND		ug/kg	44.4	3.94	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	69		30-150	B
Decachlorobiphenyl	65		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/18/22 16:57
Analyst: SDC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 21:56
Cleanup Method: EPA 3665A
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.84	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	ND		ug/kg	37.0	5.54	1	A
Aroclor 1254	ND		ug/kg	37.0	4.04	1	A
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.69	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	ND		ug/kg	37.0	3.28	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	74		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	79		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/18/22 11:53
Analyst: SDC

Extraction Method: EPA 3546
Extraction Date: 09/17/22 10:08
Cleanup Method: EPA 3665A
Cleanup Date: 09/17/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 02,04 Batch: WG1688741-1						
Aroclor 1016	ND		ug/kg	33.0	2.93	A
Aroclor 1221	ND		ug/kg	33.0	3.30	A
Aroclor 1232	ND		ug/kg	33.0	6.99	A
Aroclor 1242	ND		ug/kg	33.0	4.44	A
Aroclor 1248	ND		ug/kg	33.0	4.95	A
Aroclor 1254	ND		ug/kg	33.0	3.61	A
Aroclor 1260	ND		ug/kg	33.0	6.09	A
Aroclor 1262	ND		ug/kg	33.0	4.19	A
Aroclor 1268	ND		ug/kg	33.0	3.42	A
PCBs, Total	ND		ug/kg	33.0	2.93	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	A
Decachlorobiphenyl	77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	64		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1688741-2 WG1688741-3									
Aroclor 1016	78		80		40-140	3		50	A
Aroclor 1260	73		73		40-140	0		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		84		30-150	A
Decachlorobiphenyl	74		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		83		30-150	B
Decachlorobiphenyl	61		62		30-150	B

PESTICIDES

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/19/22 13:23
Analyst: AKM
Percent Solids: 73%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 01:36
Cleanup Method: EPA 3620B
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.14	0.418	1	A
Lindane	ND		ug/kg	0.890	0.398	1	A
Alpha-BHC	ND		ug/kg	0.890	0.253	1	A
Beta-BHC	ND		ug/kg	2.14	0.810	1	A
Heptachlor	ND		ug/kg	1.07	0.479	1	A
Aldrin	ND		ug/kg	2.14	0.752	1	A
Heptachlor epoxide	ND		ug/kg	4.00	1.20	1	A
Endrin	ND		ug/kg	0.890	0.365	1	A
Endrin aldehyde	ND		ug/kg	2.67	0.934	1	A
Endrin ketone	ND		ug/kg	2.14	0.550	1	A
Dieldrin	ND		ug/kg	1.33	0.667	1	A
4,4'-DDE	ND		ug/kg	2.14	0.494	1	A
4,4'-DDD	ND		ug/kg	2.14	0.762	1	A
4,4'-DDT	ND		ug/kg	2.14	1.72	1	A
Endosulfan I	ND		ug/kg	2.14	0.505	1	A
Endosulfan II	ND		ug/kg	2.14	0.714	1	A
Endosulfan sulfate	ND		ug/kg	0.890	0.424	1	A
Methoxychlor	ND		ug/kg	4.00	1.24	1	A
Toxaphene	ND		ug/kg	40.0	11.2	1	A
cis-Chlordane	ND		ug/kg	2.67	0.744	1	A
trans-Chlordane	ND		ug/kg	2.67	0.705	1	A
Chlordane	ND		ug/kg	17.8	7.08	1	A

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
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	120		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	76		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/20/22 14:38
Analyst: AKM
Percent Solids: 73%
Methylation Date: 09/19/22 06:30

Extraction Method: EPA 8151A
Extraction Date: 09/16/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	223	14.0	1	A
2,4,5-T	ND		ug/kg	223	6.92	1	A
2,4,5-TP (Silvex)	ND		ug/kg	223	5.94	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	82		30-150	A
DCAA	76		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/19/22 13:36
Analyst: AKM
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 09/17/22 01:36
Cleanup Method: EPA 3620B
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

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	0.751	0.336	1	A
Alpha-BHC	ND		ug/kg	0.751	0.213	1	A
Beta-BHC	ND		ug/kg	1.80	0.683	1	A
Heptachlor	ND		ug/kg	0.901	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	0.751	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	1.13	0.563	1	A
4,4'-DDE	ND		ug/kg	1.80	0.417	1	A
4,4'-DDD	ND		ug/kg	1.80	0.643	1	A
4,4'-DDT	ND		ug/kg	1.80	1.45	1	A
Endosulfan I	ND		ug/kg	1.80	0.426	1	A
Endosulfan II	ND		ug/kg	1.80	0.602	1	A
Endosulfan sulfate	ND		ug/kg	0.751	0.357	1	A
Methoxychlor	ND		ug/kg	3.38	1.05	1	A
Toxaphene	ND		ug/kg	33.8	9.46	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	5.97	1	A

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
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	99		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 09/20/22 14:56
Analyst: AKM
Percent Solids: 85%
Methylation Date: 09/19/22 06:30

Extraction Method: EPA 8151A
Extraction Date: 09/16/22 17:36

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	191	12.1	1	A
2,4,5-T	ND		ug/kg	191	5.93	1	A
2,4,5-TP (Silvex)	ND		ug/kg	191	5.09	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	85		30-150	A
DCAA	83		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/22 17:29
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 09/16/22 15:49
Cleanup Method: EPA 3620B
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04 Batch: WG1688508-1						
Delta-BHC	ND		ug/kg	1.55	0.303	A
Lindane	ND		ug/kg	0.646	0.288	A
Alpha-BHC	ND		ug/kg	0.646	0.183	A
Beta-BHC	ND		ug/kg	1.55	0.587	A
Heptachlor	ND		ug/kg	0.775	0.347	A
Aldrin	ND		ug/kg	1.55	0.546	A
Heptachlor epoxide	ND		ug/kg	2.90	0.872	A
Endrin	ND		ug/kg	0.646	0.265	A
Endrin aldehyde	ND		ug/kg	1.94	0.678	A
Endrin ketone	ND		ug/kg	1.55	0.399	A
Dieldrin	ND		ug/kg	0.968	0.484	A
4,4'-DDE	ND		ug/kg	1.55	0.358	A
4,4'-DDD	ND		ug/kg	1.55	0.553	A
4,4'-DDT	ND		ug/kg	1.55	1.24	A
Endosulfan I	ND		ug/kg	1.55	0.366	A
Endosulfan II	ND		ug/kg	1.55	0.518	A
Endosulfan sulfate	ND		ug/kg	0.646	0.307	A
Methoxychlor	ND		ug/kg	2.90	0.904	A
Toxaphene	ND		ug/kg	29.0	8.13	A
cis-Chlordane	ND		ug/kg	1.94	0.540	A
trans-Chlordane	ND		ug/kg	1.94	0.511	A
Chlordane	ND		ug/kg	12.9	5.13	A

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/18/22 17:29
Analyst: MMG

Extraction Method: EPA 3546
Extraction Date: 09/16/22 15:49
Cleanup Method: EPA 3620B
Cleanup Date: 09/18/22
Cleanup Method: EPA 3660B
Cleanup Date: 09/18/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 02,04 Batch: WG1688508-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	100		30-150	A
2,4,5,6-Tetrachloro-m-xylene	81		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8151A
Analytical Date: 09/20/22 13:24
Analyst: AKM

Extraction Method: EPA 8151A
Extraction Date: 09/16/22 17:36

Methylation Date: 09/19/22 06:30

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 02,04 Batch: WG1688538-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	63		30-150	A
DCAA	68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1688508-2 WG1688508-3									
Delta-BHC	64		82		30-150	25		30	A
Lindane	68		85		30-150	22		30	A
Alpha-BHC	75		92		30-150	20		30	A
Beta-BHC	61		75		30-150	21		30	A
Heptachlor	84		104		30-150	21		30	A
Aldrin	77		97		30-150	23		30	A
Heptachlor epoxide	55		78		30-150	**35**	Q	30	A
Endrin	75		98		30-150	27		30	A
Endrin aldehyde	51		67		30-150	27		30	A
Endrin ketone	73		95		30-150	26		30	A
Dieldrin	84		108		30-150	25		30	A
4,4'-DDE	77		100		30-150	26		30	A
4,4'-DDD	80		104		30-150	26		30	A
4,4'-DDT	75		99		30-150	28		30	A
Endosulfan I	75		97		30-150	26		30	A
Endosulfan II	76		99		30-150	26		30	A
Endosulfan sulfate	62		82		30-150	28		30	A
Methoxychlor	66		86		30-150	26		30	A
cis-Chlordane	60		76		30-150	24		30	A
trans-Chlordane	84		107		30-150	24		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1688508-2 WG1688508-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		62		30-150	A
Decachlorobiphenyl	76		103		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		78		30-150	B
Decachlorobiphenyl	52		68		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 02,04 Batch: WG1688538-2 WG1688538-3									
2,4-D	69		58		30-150	17		30	A
2,4,5-T	78		68		30-150	14		30	A
2,4,5-TP (Silvex)	77		67		30-150	14		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	69		52		30-150	A
DCAA	67		53		30-150	B

METALS

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST
Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 73%
TCLP/SPLP Ext. Date: 09/15/22 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Barium, TCLP	0.288	J	mg/l	0.500	0.021	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/16/22 11:51	09/16/22 17:03	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	09/16/22 11:15	09/17/22 17:43	EPA 3015	1,6010D	MC

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST
Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 73%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5030		mg/kg	10.6	2.86	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	5.30	0.402	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Arsenic, Total	1.62		mg/kg	1.06	0.220	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Barium, Total	22.7		mg/kg	1.06	0.184	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Beryllium, Total	0.296	J	mg/kg	0.530	0.035	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Cadmium, Total	0.191	J	mg/kg	1.06	0.104	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Calcium, Total	506		mg/kg	10.6	3.71	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Chromium, Total	7.75		mg/kg	1.06	0.102	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Cobalt, Total	3.60		mg/kg	2.12	0.176	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Copper, Total	5.90		mg/kg	1.06	0.273	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Iron, Total	10300		mg/kg	5.30	0.956	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Lead, Total	4.58	J	mg/kg	5.30	0.284	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Magnesium, Total	1860		mg/kg	10.6	1.63	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Manganese, Total	228		mg/kg	1.06	0.168	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Mercury, Total	ND		mg/kg	0.087	0.057	1	09/15/22 10:20	09/15/22 19:30	EPA 7471B	1,7471B	DMB
Nickel, Total	7.44		mg/kg	2.65	0.256	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Potassium, Total	602		mg/kg	265	15.2	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	2.12	0.273	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	1.06	0.300	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Sodium, Total	90.2	J	mg/kg	212	3.34	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	2.12	0.334	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Vanadium, Total	11.8		mg/kg	1.06	0.215	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB
Zinc, Total	15.5		mg/kg	5.30	0.310	2	09/15/22 08:45	09/16/22 10:17	EPA 3050B	1,6010D	NB

Project Name: 101 E. 150TH ST. RI
Lab Number: L2249841
Project Number: 41.0162951.10
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST
Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%
TCLP/SPLP Ext. Date: 09/15/22 08:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Barium, TCLP	0.181	J	mg/l	0.500	0.021	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/16/22 11:51	09/16/22 17:23	EPA 7470A	1,7470A	DMB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	09/16/22 11:15	09/17/22 18:38	EPA 3015	1,6010D	MC

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST
Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4520		mg/kg	9.02	2.43	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Antimony, Total	ND		mg/kg	4.51	0.343	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Arsenic, Total	1.57		mg/kg	0.902	0.188	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Barium, Total	27.4		mg/kg	0.902	0.157	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Beryllium, Total	0.252	J	mg/kg	0.451	0.030	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Cadmium, Total	0.189	J	mg/kg	0.902	0.088	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Calcium, Total	668		mg/kg	9.02	3.16	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Chromium, Total	6.91		mg/kg	0.902	0.087	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Cobalt, Total	3.41		mg/kg	1.80	0.150	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Copper, Total	5.89		mg/kg	0.902	0.233	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Iron, Total	9800		mg/kg	4.51	0.814	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Lead, Total	3.62	J	mg/kg	4.51	0.242	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Magnesium, Total	1620		mg/kg	9.02	1.39	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Manganese, Total	326		mg/kg	0.902	0.143	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Mercury, Total	ND		mg/kg	0.074	0.048	1	09/15/22 10:20	09/15/22 19:44	EPA 7471B	1,7471B	DMB
Nickel, Total	7.08		mg/kg	2.25	0.218	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Potassium, Total	508		mg/kg	225	13.0	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Selenium, Total	ND		mg/kg	1.80	0.233	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Silver, Total	ND		mg/kg	0.902	0.255	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Sodium, Total	116	J	mg/kg	180	2.84	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Thallium, Total	ND		mg/kg	1.80	0.284	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Vanadium, Total	11.1		mg/kg	0.902	0.183	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB
Zinc, Total	15.8		mg/kg	4.51	0.264	2	09/15/22 08:45	09/16/22 10:22	EPA 3050B	1,6010D	NB

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04 Batch: WG1687681-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Barium, Total	0.268	J	mg/kg	0.400	0.070	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Copper, Total	ND		mg/kg	0.400	0.103	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Iron, Total	ND		mg/kg	2.00	0.361	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Lead, Total	ND		mg/kg	2.00	0.107	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Potassium, Total	ND		mg/kg	100	5.76	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Silver, Total	ND		mg/kg	0.400	0.113	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Sodium, Total	4.45	J	mg/kg	80.0	1.26	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/15/22 08:45	09/16/22 09:05	1,6010D	NB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 02,04 Batch: WG1687694-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/15/22 10:20	09/15/22 19:24	1,7471B	DMB

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

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
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,04 Batch: WG1688347-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Barium, TCLP	ND		mg/l	0.500	0.021	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Lead, TCLP	ND		mg/l	0.500	0.027	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC
Silver, TCLP	ND		mg/l	0.100	0.028	1	09/16/22 11:15	09/17/22 17:19	1,6010D	MC

Prep Information

Digestion Method: EPA 3015
TCLP/SPLP Extraction Date: 09/14/22 08:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02,04 Batch: WG1688350-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0005	1	09/16/22 11:51	09/16/22 16:47	1,7470A	DMB

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 09/14/22 08:30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1687681-2 SRM Lot Number: D113-540								
Aluminum, Total	70		-		51-149	-		
Antimony, Total	152		-		20-250	-		
Arsenic, Total	86		-		70-130	-		
Barium, Total	86		-		75-125	-		
Beryllium, Total	107		-		75-125	-		
Cadmium, Total	89		-		75-125	-		
Calcium, Total	87		-		73-128	-		
Chromium, Total	86		-		70-130	-		
Cobalt, Total	87		-		75-125	-		
Copper, Total	81		-		75-125	-		
Iron, Total	96		-		36-164	-		
Lead, Total	80		-		72-128	-		
Magnesium, Total	84		-		63-138	-		
Manganese, Total	88		-		77-123	-		
Nickel, Total	86		-		70-130	-		
Potassium, Total	87		-		59-141	-		
Selenium, Total	85		-		66-134	-		
Silver, Total	86		-		70-131	-		
Sodium, Total	101		-		35-164	-		
Thallium, Total	90		-		70-130	-		
Vanadium, Total	86		-		74-126	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1687681-2 SRM Lot Number: D113-540					
Zinc, Total	82	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 02,04 Batch: WG1687694-2 SRM Lot Number: D113-540					
Mercury, Total	86	-	60-140	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1688347-2					
Arsenic, TCLP	101	-	75-125	-	20
Barium, TCLP	96	-	75-125	-	20
Cadmium, TCLP	95	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	92	-	75-125	-	20
Selenium, TCLP	101	-	75-125	-	20
Silver, TCLP	95	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 Batch: WG1688350-2					
Mercury, TCLP	94	-	80-120	-	

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1687681-3 QC Sample: L2200081-100 Client ID: MS Sample												
Aluminum, Total	19600	151	16700	**0**	Q	-	-		75-125	-		20
Antimony, Total	ND	37.8	28.1	**74**	Q	-	-		75-125	-		20
Arsenic, Total	79.1	9.08	71.7	**0**	Q	-	-		75-125	-		20
Barium, Total	29.4	151	144	76		-	-		75-125	-		20
Beryllium, Total	0.192	3.78	3.30	82		-	-		75-125	-		20
Cadmium, Total	0.667	4.01	3.44	**69**	Q	-	-		75-125	-		20
Calcium, Total	2410	756	2720	**41**	Q	-	-		75-125	-		20
Chromium, Total	18.4	15.1	28.0	**63**	Q	-	-		75-125	-		20
Cobalt, Total	11.0	37.8	43.0	85		-	-		75-125	-		20
Copper, Total	10.2	18.9	30.2	106		-	-		75-125	-		20
Iron, Total	16300	75.6	16000	**0**	Q	-	-		75-125	-		20
Lead, Total	3.26	40.1	31.7	**71**	Q	-	-		75-125	-		20
Magnesium, Total	971	756	1570	79		-	-		75-125	-		20
Manganese, Total	3730	37.8	3110	**0**	Q	-	-		75-125	-		20
Nickel, Total	5.74	37.8	31.2	**67**	Q	-	-		75-125	-		20
Potassium, Total	487	756	1150	88		-	-		75-125	-		20
Selenium, Total	1.83	9.08	8.29	**71**	Q	-	-		75-125	-		20
Silver, Total	0.829	22.7	19.4	82		-	-		75-125	-		20
Sodium, Total	139	756	778	84		-	-		75-125	-		20
Thallium, Total	3.71	9.08	8.60	**54**	Q	-	-		75-125	-		20
Vanadium, Total	14.4	37.8	43.9	78		-	-		75-125	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1687681-3 QC Sample: L2200081-100 Client ID: MS Sample									
Zinc, Total	22.3	37.8	51.0	76	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1687694-3 QC Sample: L2249841-02 Client ID: WC_16									
Mercury, Total	ND	1.71	1.64	96	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1688347-3 QC Sample: L2249841-02 Client ID: WC_16									
Arsenic, TCLP	ND	1.2	1.26	105	-	-	75-125	-	20
Barium, TCLP	0.288J	20	20.0	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.53	0.522	98	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.94	97	-	-	75-125	-	20
Lead, TCLP	ND	5.3	5.02	95	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.24	103	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.477	95	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1688350-3 QC Sample: L2249841-02 Client ID: WC_16									
Mercury, TCLP	ND	0.025	0.0273	109	-	-	80-120	-	20

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1687681-4 QC Sample: L2200081-100 Client ID: DUP Sample						
Arsenic, Total	79.1	81.1	mg/kg	2		20
Total Metals - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1687694-4 QC Sample: L2249841-02 Client ID: WC_16						
Mercury, Total	ND	ND	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1688347-4 QC Sample: L2249841-02 Client ID: WC_16						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.288J	0.277J	mg/l	NC		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	ND	ND	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02,04 QC Batch ID: WG1688350-4 QC Sample: L2249841-02 Client ID: WC_16						
Mercury, TCLP	ND	ND	mg/l	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Sand
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/17/22 12:25	1,1030	MD

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material:	Unknown
Description of Material:	Non-Metallic - Wet Sand
Particle Size:	Fine
Preliminary Burning Time (sec):	120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	09/17/22 12:25	1,1030	MD

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-01
Client ID: WC_16 (11')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.6		%	0.100	NA	1	-	09/15/22 08:58	121,2540G	RI

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-02
Client ID: WC_16
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 10:50
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	73.2		%	0.100	NA	1	-	09/15/22 08:58	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.3	0.28	1	09/16/22 04:40	09/16/22 11:42	1,9010C/9012B	JR
pH (H)	7.4		SU	-	NA	1	-	09/16/22 11:40	1,9045D	NA
Chromium, Hexavalent	ND		mg/kg	1.09	0.218	1	09/15/22 18:55	09/15/22 22:50	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 11:33	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 11:05	125,7.3	MJ

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-03
Client ID: WC_17 (10')
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.5		%	0.100	NA	1	-	09/15/22 08:58	121,2540G	RI

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

SAMPLE RESULTS

Lab ID: L2249841-04
Client ID: WC_17
Sample Location: 101 E. 150TH ST

Date Collected: 09/13/22 11:25
Date Received: 09/13/22
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.3		%	0.100	NA	1	-	09/15/22 08:58	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	09/16/22 04:40	09/16/22 11:43	1,9010C/9012B	JR
pH (H)	7.4		SU	-	NA	1	-	09/16/22 11:40	1,9045D	NA
Chromium, Hexavalent	0.445	J	mg/kg	0.938	0.188	1	09/15/22 18:55	09/15/22 22:50	1,7196A	WT
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 11:33	125,7.3	MJ
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 11:05	125,7.3	MJ

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10
Lab Number: L2249841
Report Date: 09/20/22

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG1688032-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	09/15/22 18:55	09/15/22 22:50	1,7196A	WT
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG1688096-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	09/16/22 04:40	09/16/22 10:45	1,9010C/9012B	JR
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG1688247-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 10:59	125,7.3	MJ
General Chemistry - Westborough Lab for sample(s): 02,04 Batch: WG1688253-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	09/16/22 09:40	09/16/22 11:28	125,7.3	MJ

Lab Control Sample Analysis

Batch Quality Control

Project Name: 101 E. 150TH ST. RI

Project Number: 41.0162951.10

Lab Number: L2249841

Report Date: 09/20/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1688032-2								
Chromium, Hexavalent	111		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1688096-2 WG1688096-3								
Cyanide, Total	**62**	Q	**78**	Q	80-120	24		35
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1688181-1								
pH	99		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1688247-2								
Sulfide, Reactive	103		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 02,04 Batch: WG1688253-2								
Cyanide, Reactive	62		-		30-125	-		40

Matrix Spike Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688032-4 QC Sample: L2249841-02 Client ID: WC_16												
Chromium, Hexavalent	ND	2510	2480	99		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688096-4 WG1688096-5 QC Sample: L2249120-05 Client ID: MS Sample												
Cyanide, Total	ND	9.7	17	**170**	Q	11	110		75-125	**43**	Q	35

Lab Duplicate Analysis
Batch Quality Control

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1687682-1 QC Sample: L2249841-01 Client ID: WC_16 (11')						
Solids, Total	82.6	83.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688032-6 QC Sample: L2249841-02 Client ID: WC_16						
Chromium, Hexavalent	ND	0.505J	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688181-2 QC Sample: L2249822-01 Client ID: DUP Sample						
pH	8.3	8.2	SU	1		5
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688247-3 QC Sample: L2249420-29 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 02,04 QC Batch ID: WG1688253-3 QC Sample: L2249420-29 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2249841-01A	Vial MeOH preserved	A	NA		3.9	Y	Absent		NYTCL-8260HLW(14)
L2249841-01B	Vial water preserved	A	NA		3.9	Y	Absent	14-SEP-22 22:55	NYTCL-8260HLW(14)
L2249841-01C	Vial water preserved	A	NA		3.9	Y	Absent	14-SEP-22 22:55	NYTCL-8260HLW(14)
L2249841-01D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2249841-01E	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TPH-GRO(14)
L2249841-01F	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TCLP-EXT-ZHE(14)
L2249841-01X	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-01Y	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-01Z	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),TL-TI(180),AL-TI(180),NI-TI(180),SB-TI(180),CU-TI(180),PB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),MN-TI(180),HG-T(28),FE-TI(180),MG-TI(180),CA-TI(180),CD-TI(180),NA-TI(180),K-TI(180)
L2249841-02B	Glass 120ml/4oz unpreserved	A	NA		3.9	Y	Absent		HEXCR-7196(30)
L2249841-02C	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NJEPH-TPH-CAT2(14)
L2249841-02D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		TCN-9010(14),NYTCL-8270(14),IGNIT-1030(14),REACTS(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),REACTCN(14),NYTCL-8082(365)
L2249841-02X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2249841-02X9	Tumble Vessel	A	NA		3.9	Y	Absent		-
L2249841-03A	Vial MeOH preserved	A	NA		3.9	Y	Absent		NYTCL-8260HLW(14)
L2249841-03B	Vial water preserved	A	NA		3.9	Y	Absent	14-SEP-22 22:55	NYTCL-8260HLW(14)
L2249841-03C	Vial water preserved	A	NA		3.9	Y	Absent	14-SEP-22 22:55	NYTCL-8260HLW(14)

*Values in parentheses indicate holding time in days

Project Name: 101 E. 150TH ST. RI
Project Number: 41.0162951.10

Lab Number: L2249841
Report Date: 09/20/22

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2249841-03D	Plastic 2oz unpreserved for TS	A	NA		3.9	Y	Absent		TS(7)
L2249841-03E	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TPH-GRO(14)
L2249841-03F	Vial Large Septa unpreserved (4oz)	A	NA		3.9	Y	Absent		TCLP-EXT-ZHE(14)
L2249841-03X	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-03Y	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-03Z	Vial unpreserved Extracts	A	NA		3.9	Y	Absent		TCLP-VOA(14)
L2249841-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.9	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),AL-TI(180),NI-TI(180),TL-TI(180),ZN-TI(180),SB-TI(180),PB-TI(180),SE-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),K-TI(180),NA-TI(180),CD-TI(180)
L2249841-04B	Glass 120ml/4oz unpreserved	A	NA		3.9	Y	Absent		HEXCR-7196(30)
L2249841-04C	Glass 250ml/8oz unpreserved	A	NA		3.9	Y	Absent		NJEPH-TPH-CAT2(14)
L2249841-04D	Glass 500ml/16oz unpreserved	A	NA		3.9	Y	Absent		REACTS(14),IGNIT-1030(14),NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),NYTCL-8082(365),REACTCN(14)
L2249841-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		3.9	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L2249841-04X9	Tumble Vessel	A	NA		3.9	Y	Absent		-

*Values in parentheses indicate holding time in days

Project Name:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
Project Number:	41.0162951.10	**Report Date:**	09/20/22

GLOSSARY

Acronyms

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

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

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

EPA - Environmental Protection Agency.

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

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

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

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

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

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

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

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

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

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

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

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

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

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

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

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

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

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

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

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

Report Format: DU Report with 'J' Qualifiers

Project Name:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
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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:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
Project Number:	41.0162951.10	**Report Date:**	09/20/22

Data Qualifiers

Identified Compounds (TICs).

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

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

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

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

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

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

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

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

Project Name:	101 E. 150TH ST. RI	**Lab Number:**	L2249841
Project Number:	41.0162951.10	**Report Date:**	09/20/22

REFERENCES

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

103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.

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

125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

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

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

Certification Information

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

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

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

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

Westborough Facility:

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

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

Mansfield Facility:

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

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

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

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581 — 8 Walkup Dr. — TEL: 508-898-9220 — FAX: 508-898-9193

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

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

Page 1 of 1

Date Rec'd in Lab: 9/13/22

ALPHA Job #: L0249841

Client Information

Client: GZA GeoEnvironmental
Address: 104 W 29th St NY, NY 10001
Phone: 212 594 8140
Fax:
Email: Reinbill.Manriquez@GZA.com

Project Information

Project Name: 101 E 150th St RI
Project Location: 101 E 150th St BX
Project #: 41.0162951.10
(Use Project name as Project #)
Project Manager: Reinbill Manriquez
ALPHAQuote #: 19508

Turn-Around Time

Standard ☐ Rush (only if pre approved) ☒
Due Date:
# of Days: 4 days

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:
*TCLP Metals will be analyzed for extraction (1311), TCP Metals (Total) and also (Cyanide) Mercury
*TAL Metals will also be analyzed for Cyanide (9012B) Mercury (7471B)

Please specify Metals or TAL. and Hex Chrom (7196A)

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:

Sample Filtration

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TCL VOCs 8260C	TCL SVOCs 8270D	TCL Pest 8081B	TCL Herbs 8151B	TCL PCBs 8082A	TAL Metals	TPH GRO 8015B	NJ EPH	Corrosivity 9045C	Ignitability 1030	Reactive Cyanide 9012B	Reactive Sulfide 9034	TCLP Metals	TCLP VOCs	RCRA Characteristics	Total Bottle
L0249841 01	WC-16 (11')	9/13/22	10:50	Soil		X						X	X					X			6
02	WC-16		10:50				X	X	X	X	X			X	X	X	X	X	X	X	5
03	WC-17 (10')		11:25			X						X	X					X			6
04	WC-17		11:25				X	X	X	X	X			X	X	X	X	X	X	X	5

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																	
Preservative	O	A	A	A																	

Relinquished By:	Date/Time	Received By:	Date/Time
	9/13/22 15:43	MSM (Lab)	9/13/22 1543
MSM (my)	9/13/22 1532	(AM)	9/13/22 19:30
(AM)	9/13/22 2130	(SB)	9/13/22 2130
(SB)	9/13/22 2340		9/13/22 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)

GZA GeoEnvironmental of New York

APPENDIX H – DISPOSAL FACILITY APPROVALS AND DOCUMENTATION

(Fact Sheet Begins Next)

Act Now to Continue Receiving Information About This Site!

DEC's Division of Environmental Remediation (DER) now distributes information about contaminated sites *electronically by email*.

If you would like to continue to receive information about the contaminated site featured in this fact sheet:

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www.dec.ny.gov/chemical/61092.html

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.

Why You Should Go "Paperless":

- ☑ Get site information faster and share it easily;
- ☑ Receive information about all sites in a chosen county - read what you want, delete the rest;
- ☑ It helps the environment and stretches your tax dollars.

If "paperless" is not an option for you, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

FACT SHEET

Brownfield Cleanup Program

101 East 150th Street
101 East 150th Street
Bronx, NY 10451

SITE No. C203154
NYSDEC REGION 2

July 2023

Interim Remedial Measure to Begin at Brownfield Site

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), is announcing an expedited cleanup of contamination for a portion of the 101 East 150th Street site ("site") located at 101 East 150th Street, Bronx, NY. Please see the map for the site location. The cleanup activities will be performed by 586 River Ave., LLC ("applicant") with oversight provided by the New York State Department of Environmental Conservation (NYSDEC). NYSDEC has determined that the Interim Remedial Measure Work Plan (IRMWP) protects public health and the environment and has approved the plan.

- Access the approved IRMWP and other project documents online through the DECinfo Locator: https://www.dec.ny.gov/data/DecDocs/C203154/.
- The documents also are available at the location(s) identified at left under "Where to Find Information."

Remedial activities are expected to begin in July 2023 and last about 4 months.

Highlights of the Upcoming IRM Activities: An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without extensive investigation and evaluation. The key components of the IRM are:

- Excavation to a depth of 2 feet below grade (ft bg) across the entire northern parking lot area;
- Excavation to depths between 5 ft bg and 7 ft bg in 2 areas of the parking lot to remove "hot spots" of chlorinated volatile organic compounds (VOCs) exceeding the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs);
- Excavation to a depth of approximately 10 ft bg in the eastern portion of the parking lot to remove a "hot spot" of petroleum-related VOCs exceeding the PGWSCOs.
- Proper characterization and off-site disposal of excavated soil.
- Collection and analysis of confirmation and documentation post remedial samples to document the effectiveness of the remedy.
- Removal of any underground storage tanks or other sources of contamination, if encountered.

A site-specific health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) will be implemented during remediation activities. The HASP and CAMP establish procedures to protect on-site workers and residents and includes

Where to Find Information

Access project documents through the DECinfo Locator https://www.dec.ny.gov/data/DecDocs/C203154/ and at these location(s):

New York Public Library - Woodstock Branch
761 East 160th Street
Bronx, NY 10456
(718) 665-6255
woodstock@nypl.org

Bronx Community Board No. 4
1650 Selwyn Avenue, #11A
Bronx, NY 10456
(718) 299-0800
Bx04@cb.nyc.gov

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project-Related Questions
Wendi Zheng, Project Manager
NYSDEC
47-40 21st Street
Long Island City, NY 11101
(718) 482-7541
wendi.zheng@dec.ny.gov

Project-Related Health Questions
Sally Rushford
NYSDOH
Empire State Plaza,
Corning Tower, Room 1787
Albany, NY 12237
(518)402-5465
beei@health.ny.gov

For more information about New York's Brownfield Cleanup Program, visit:
www.dec.ny.gov/chemical/8450.html

BROWNFIELD CLEANUP PROGRAM

required air monitoring as well as dust and odor suppression measures.

Next Steps: When the expedited cleanup activities are completed, a Construction Completion Report will be prepared that documents the activities that were performed.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

Site Description: The site is located at 101 East 150th Street (a.k.a. 586 River Avenue) in the Lower Concourse neighborhood of the Bronx, NY and is bound to the north by a commercial parking lot followed by East 151st Street, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The site is comprised of a 98,973 square foot (2.27-acre) rectangular-shaped parcel identified as Block 2354, Lot 1 on the New York City Tax Map. It is currently occupied by a two-story commercial building with a basement on the southern portion of the property and a parking lot on the northern portion of the property. Prior uses on the site include lumber storage, athletic fields, a shoe factory, an electronic parts manufacturer, commercial self-storage, and a school.

Planned redevelopment of the site includes construction of a new six-story building housing a charter school.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's Environmental Site Remediation Database (by entering the site ID, C203154) at:
https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Brownfield Cleanup Program: New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business, or other uses. A brownfield site is any real property where a contaminant is present at levels exceeding the SCOs or other health-based or environmental standards, criteria or guidance adopted by NYSDEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations.

For more information about the BCP, visit:
https://www.dec.ny.gov/chemical/8450.html

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Stay Informed With DEC Delivers
Sign up to receive site updates by email:
www.dec.ny.gov/chemical/61092.html

Note: Please disregard if you already have signed up and received this fact sheet electronically.

DECinfo Locator
Interactive map to access DEC documents and public data about the environmental quality of specific sites: https://www.dec.ny.gov/pubs/109457.html

BROWNFIELD CLEANUP PROGRAM

Site Location

NEW YORK STATE | Department of Environmental Conservation

Kathy Hochul, Governor | **Basil Seggos**, Commissioner **www.dec.ny.gov**

Translation Available. Don't see your language? Ask!

English	To have this document translated into a language you can understand, contact the person below. There is no charge for the translation.
Español **Spanish**	Si necesita la traducción de este documento a un idioma que pueda entender, comuníquese con la persona indicada abajo. La traducción es gratis.
简体字 **Simplified Chinese**	如需將此文件翻譯成您能理解的語言版本，請聯絡下方人員。本次翻譯不收取費用。
Русский **Russian**	Чтобы получить перевод этого документа на понятный вам язык, свяжитесь с представителем, данные которого указаны ниже. Плата за эту услугу не взимается.
אידיש **Yiddish**	צו האבן די דאקומענט איבערגעטייטשט אין א שפראך וואס איר קענט פארשטיין, פארבינדט זיך מיט די פערזאן אונטן. די איבערטייטשונג איז פריי פון אפצאל.
বাঙালি **Bengali**	এই নথিটি আপনি বুঝতে পারেন এমন একটি ভাষায় অনুবাদ করতে, নিম্নলিখিত ব্যক্তির সাথে যোগাযোগ করুন। অনুবাদের জন্য কোন চার্জ দিতে হবে না।
한국어 **Korean**	이 언어를 본인이 이해할 수 있는 언어로 받아보려면 아래 담당자에게 문의하십시오. 번역료는 없습니다.
Kreyòl Ayisyen **Haitian Creole**	Pou yo ka tradwi dokiman sa nan yon lang ou ka konprann, kontakte moun ki anba a. Ou p'ap peye anyen pou tradiksyon an.
Italiano **Italian**	Per ottenere la traduzione di questo documento in un'altra lingua, contatti la persona indicata qui di seguito. La traduzione è gratuita.
العربية **Arabic**	لترجمة هذا المستند إلى لغة يمكنك فهمها، تواصل مع الشخص أدناه. لا يتم تطبيق رسوم مقابل الترجمة.
Języky Polski **Polish**	Aby uzyskać tłumaczenie tego dokumentu na język, który jest dla Ciebie zrozumiały, skontaktuj się z poniższą osobą. Za tłumaczenie nie jest pobierana żadna opłata.

Contact: Wendi Zheng | (718) 482-7541 | wendi.zheng@dec.ny.gov

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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

July 20, 2023
GZA File No. 41.0163097.00

Clean Earth of Carteret, LLC
24 Middlesex Avenue
Carteret, NJ 07008

Re: Historic Fill and Soil Disposal Notification
101 East 150th Street
Bronx, New York 10451
Block 2354 Lot 1
NYSDEC BCP Site No.: C203154

Dear Sir / Madame:

On behalf of the 586 River Ave., LLC (BCP Participant/Owner), GZA GeoEnvironmental of New York (GZA) is pleased to submit this Historic Fill and Soil Disposal Notification for the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154. The property is located 101 East 150th Street in the New York City Borough of the Bronx (Site).

The Site has been extensively investigated prior to and upon acceptance into the BCP. Historical environmental assessments and investigation performed at the Site include:

- Phase I Environmental Site Assessment, April 4, 2018, by AEI Consultants
- Phase I Environmental Site Assessment, June 12, 2020, by Brinkerhoff
- Phase I Environmental Site Assessment, November 1, 2021, by GZA
- Phase II Environmental Site Investigation, November 1, 2021, by GZA
- Remedial Investigation Report, November 2, 2022, by GZA

Based on the results of these investigations, the NYSDEC, in consultation with the New York State Department of Health (NYSDOH), has approved an Interim Remedial Measure Work Plan (IRMWP) to the address contamination at the Site. The anticipated implementation IRMWP is expected to commence in July 2023 and will last about 4 months.

- Access to the historical documents, the approved IRMWP, and other BCP documents are available online through the DEC Info Locator: https://www.dec.ny.gov/data/DecDocs/C203154/

The IRM Fact Sheet and Site Location Plan is provided as **Attachment A**.

Under Global No. 1014273 and Approval No. 233070971, the Clean Earth of Carteret, LLC (NJDEP Recycling Center Permit No. CBG210002) has been identified as a receiving facility for 8,000 cubic yards (CY) of non-hazardous contaminated soil/urban fill that will be generated from the proposed construction activities during the IRMWP implementation. The approval was based on the composite samples WC-3 (A-E) , WC-4 (A-E), WC-5 (A-E),

WC-6 (A-E), WC-7 (A-E), WC-8 (A-E), WC-13 (A-E), WC-14 (A-E), WC-15 (A-E), and WC-16 (A-E), and related grab samples collected from the Site by PT Consultants, of Bellmawr, New Jersey. Documents that were provided include:

- Signed Exhibit A Material Profile Sheet dated 16 June 2023
- Waste Characterization Report by GZA dated November 2022
- Soil Materials/Management Plan by GZA dated October 2022
- Interim Remedial Measure Work Plan by GZA dated November 2022
- Waste Characterization Report by PT Consultants dated May 25, 2023
- Laboratory analytical report by York Analytical Lab ID(s): 23E0731, dated May 24, 2023

This document serves a formal notification from NYSDEC and the BCP Participant of the environmental information regarding the physical and chemical content of the historical fill / soil that is proposed for transfer to your facility. Should you have any questions, please contact Reinbill Maniquez at (347)-443-1059 and email at Reinbill.Maniquez@gza.com.

Very truly yours,

GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill Maniquez, CHMM
Senior Project Manager

Stephen M. Kline, P.E.
Principal

ATTACHMENT A

(Fact Sheet Begins Next)

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- ☑ Get site information faster and share it easily;
- ☑ Receive information about all sites in a chosen county - read what you want, delete the rest;
- ☑ It helps the environment and stretches your tax dollars.

If "paperless" is not an option for you, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

FACT SHEET

Brownfield Cleanup Program

101 East 150th Street
101 East 150th Street
Bronx, NY 10451

SITE No. C203154
NYSDEC REGION 2

July 2023

Interim Remedial Measure to Begin at Brownfield Site

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), is announcing an expedited cleanup of contamination for a portion of the 101 East 150th Street site ("site") located at 101 East 150th Street, Bronx, NY. Please see the map for the site location. The cleanup activities will be performed by 586 River Ave., LLC ("applicant") with oversight provided by the New York State Department of Environmental Conservation (NYSDEC). NYSDEC has determined that the Interim Remedial Measure Work Plan (IRMWP) protects public health and the environment and has approved the plan.

- Access the approved IRMWP and other project documents online through the DECinfo Locator: https://www.dec.ny.gov/data/DecDocs/C203154/.
- The documents also are available at the location(s) identified at left under "Where to Find Information."

Remedial activities are expected to begin in July 2023 and last about 4 months.

Highlights of the Upcoming IRM Activities: An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without extensive investigation and evaluation. The key components of the IRM are:

- Excavation to a depth of 2 feet below grade (ft bg) across the entire northern parking lot area;
- Excavation to depths between 5 ft bg and 7 ft bg in 2 areas of the parking lot to remove "hot spots" of chlorinated volatile organic compounds (VOCs) exceeding the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs);
- Excavation to a depth of approximately 10 ft bg in the eastern portion of the parking lot to remove a "hot spot" of petroleum-related VOCs exceeding the PGWSCOs.
- Proper characterization and off-site disposal of excavated soil.
- Collection and analysis of confirmation and documentation post remedial samples to document the effectiveness of the remedy.
- Removal of any underground storage tanks or other sources of contamination, if encountered.

A site-specific health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) will be implemented during remediation activities. The HASP and CAMP establish procedures to protect on-site workers and residents and includes

Where to Find Information

Access project documents through the DECinfo Locator https://www.dec.ny.gov/data/DecDocs/C203154/ and at these location(s):

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761 East 160th Street
Bronx, NY 10456
(718) 665-6255
woodstock@nypl.org

Bronx Community Board No. 4
1650 Selwyn Avenue, #11A
Bronx, NY 10456
(718) 299-0800
Bx04@cb.nyc.gov

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project-Related Questions
Wendi Zheng, Project Manager
NYSDEC
47-40 21st Street
Long Island City, NY 11101
(718) 482-7541
wendi.zheng@dec.ny.gov

Project-Related Health Questions
Sally Rushford
NYSDOH
Empire State Plaza,
Corning Tower, Room 1787
Albany, NY 12237
(518)402-5465
beei@health.ny.gov

For more information about New York's Brownfield Cleanup Program, visit:
www.dec.ny.gov/chemical/8450.html

BROWNFIELD CLEANUP PROGRAM

required air monitoring as well as dust and odor suppression measures.

Next Steps: When the expedited cleanup activities are completed, a Construction Completion Report will be prepared that documents the activities that were performed.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

Site Description: The site is located at 101 East 150th Street (a.k.a. 586 River Avenue) in the Lower Concourse neighborhood of the Bronx, NY and is bound to the north by a commercial parking lot followed by East 151st Street, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The site is comprised of a 98,973 square foot (2.27-acre) rectangular-shaped parcel identified as Block 2354, Lot 1 on the New York City Tax Map. It is currently occupied by a two-story commercial building with a basement on the southern portion of the property and a parking lot on the northern portion of the property. Prior uses on the site include lumber storage, athletic fields, a shoe factory, an electronic parts manufacturer, commercial self-storage, and a school.

Planned redevelopment of the site includes construction of a new six-story building housing a charter school.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's Environmental Site Remediation Database (by entering the site ID, C203154) at:
https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Brownfield Cleanup Program: New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business, or other uses. A brownfield site is any real property where a contaminant is present at levels exceeding the SCOs or other health-based or environmental standards, criteria or guidance adopted by NYSDEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations.

For more information about the BCP, visit:
https://www.dec.ny.gov/chemical/8450.html

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www.dec.ny.gov/chemical/61092.html

Note: Please disregard if you already have signed up and received this fact sheet electronically.

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Interactive map to access DEC documents and public data about the environmental quality of specific sites: https://www.dec.ny.gov/pubs/109457.html

BROWNFIELD CLEANUP PROGRAM

Site Location

NEW YORK STATE | Department of Environmental Conservation

Kathy Hochul, Governor | **Basil Seggos**, Commissioner **www.dec.ny.gov**

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Español **Spanish**	Si necesita la traducción de este documento a un idioma que pueda entender, comuníquese con la persona indicada abajo. La traducción es gratis.
简体字 **Simplified Chinese**	如需將此文件翻譯成您能理解的語言版本，請聯絡下方人員。本次翻譯不收取費用。
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বাঙালি **Bengali**	এই নথিটি আপনি বুঝতে পারেন এমন একটি ভাষায় অনুবাদ করতে, নিম্নলিখিত ব্যক্তির সাথে যোগাযোগ করুন। অনুবাদের জন্য কোন চার্জ দিতে হবে না।
한국어 **Korean**	이 언어를 본인이 이해할 수 있는 언어로 받아보려면 아래 담당자에게 문의하십시오. 번역료는 없습니다.
Kreyòl Ayisyen **Haitian Creole**	Pou yo ka tradwi dokiman sa nan yon lang ou ka konprann, kontakte moun ki anba a. Ou p'ap peye anyen pou tradiksyon an.
Italiano **Italian**	Per ottenere la traduzione di questo documento in un'altra lingua, contatti la persona indicata qui di seguito. La traduzione è gratuita.
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Języky Polski **Polish**	Aby uzyskać tłumaczenie tego dokumentu na język, który jest dla Ciebie zrozumiały, skontaktuj się z poniższą osobą. Za tłumaczenie nie jest pobierana żadna opłata.

Contact: Wendi Zheng | (718) 482-7541 | wendi.zheng@dec.ny.gov

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T: 212.594.8140
F: 212.279.8180
www.gza.com

July 20, 2023
GZA File No. 41.0163097.00

P Park NJ, LLC
100 Planten Avenue
Prospect Park, NJ 07508

Re: Historic Fill and Soil Disposal Notification
101 East 150th Street
Bronx, New York 10451
Block 2354 Lot 1
NYSDEC BCP Site No.: C203154

Dear Sir / Madame:

On behalf of the 586 River Ave., LLC (BCP Participant/Owner), GZA GeoEnvironmental of New York (GZA) is pleased to submit this Historic Fill and Soil Disposal Notification for the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP) Site No. C203154. The property is located 101 East 150th Street in the New York City Borough of the Bronx (Site).

The Site has been extensively investigated prior to and upon acceptance into the BCP. Historical environmental assessments and investigation performed at the Site include:

- Phase I Environmental Site Assessment, April 4, 2018, by AEI Consultants
- Phase I Environmental Site Assessment, June 12, 2020, by Brinkerhoff
- Phase I Environmental Site Assessment, November 1, 2021, by GZA
- Phase II Environmental Site Investigation, November 1, 2021, by GZA
- Remedial Investigation Report, November 2, 2022, by GZA

Based on the results of these investigations, the NYSDEC, in consultation with the New York State Department of Health (NYSDOH), has approved an Interim Remedial Measure Work Plan (IRMWP) to the address contamination at the Site. The anticipated implementation IRMWP is expected to commence in July 2023 and will last about 4 months.

- Access to the historical documents, the approved IRMWP, and other BCP documents are available online through the DEC Info Locator: https://www.dec.ny.gov/data/DecDocs/C203154/

The IRM Fact Sheet and Site Location Plan is provided as **Attachment A**.

Under Project No. 23-104 and Approval No. PParkNJ2023-07-02A, P Park NJ, LLC (Permit No. 745742) has been identified as a receiving facility for 2,400 cubic yards (CY) of non-hazardous contaminated soil/urban fill that will be generated from the proposed construction activities during the IRMWP implementation. Approximately 75% (SW, NW, and NE quadrant) of cell WC7 (A-E), which is in the 0-3 ft interval below ground surface

(bgs), identified as WC7 (SW, NW, NE), and approximately 75% (SE, NW, and NE quadrant) of cell WC16 (A-E) and approximately 50% (NE and SE quadrant) of cell WC12 (A-E), which are both in the 3-6 ft interval bgs, identified as WC16 (SE, NW, NE) and WC12 (NE, SE), respectively, were approved for acceptance P Park NJ.

The approval was based on the historical investigations along with composite samples and related grab samples collected from the Site by PT Consultants, of Bellmawr, NJ. Documents that were provided include:

- Interim Remedial Measure Work Plan by GZA Geo Environmental dated November 2022
- Waste Characterization Report by GZA dated November 2022
- Laboratory analytical report by York Analytical Lab ID(s): 23E0731m dated May 24, 2023
- Waste Characterization Report by PT Consultants dated May 25, 2023

This document serves a formal notification from NYSDEC and the BCP Participant of the environmental information regarding the physical and chemical content of the historical fill / soil that is proposed for transfer to your facility. Should you have any questions, please contact Reinbill Maniquez at (347)-443-1059 and email at Reinbill.Maniquez@gza.com.

Very truly yours,

GZA GEOENVIRONMENTAL OF NEW YORK

Reinbill Maniquez, CHMM
Senior Project Manager

Stephen M. Kline, P.E.
Principal

ATTACHMENT A

(Fact Sheet Begins Next)

Act Now to Continue Receiving Information About This Site!

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You must sign up for the DER email listserv:

www.dec.ny.gov/chemical/61092.html

DER cannot register your email address - only the email address owner can do so. If you already have signed up for the listserv for the county in which the site is located, you need do nothing.

Why You Should Go "Paperless":

- ☑ Get site information faster and share it easily;
- ☑ Receive information about all sites in a chosen county - read what you want, delete the rest;
- ☑ It helps the environment and stretches your tax dollars.

If "paperless" is not an option for you, call or write to the DER project manager identified in this fact sheet. Indicate that you need to receive paper copies of fact sheets through the Postal Service. Include the site name in your correspondence. The option to receive paper is available to individuals only. Groups, organizations, businesses, and government entities are assumed to have email access.

FACT SHEET

Brownfield Cleanup Program

101 East 150th Street
101 East 150th Street
Bronx, NY 10451

SITE No. C203154
NYSDEC REGION 2

July 2023

Interim Remedial Measure to Begin at Brownfield Site

The New York State Department of Environmental Conservation (NYSDEC), in consultation with the New York State Department of Health (NYSDOH), is announcing an expedited cleanup of contamination for a portion of the 101 East 150th Street site ("site") located at 101 East 150th Street, Bronx, NY. Please see the map for the site location. The cleanup activities will be performed by 586 River Ave., LLC ("applicant") with oversight provided by the New York State Department of Environmental Conservation (NYSDEC). NYSDEC has determined that the Interim Remedial Measure Work Plan (IRMWP) protects public health and the environment and has approved the plan.

- Access the approved IRMWP and other project documents online through the DECinfo Locator: https://www.dec.ny.gov/data/DecDocs/C203154/.
- The documents also are available at the location(s) identified at left under "Where to Find Information."

Remedial activities are expected to begin in July 2023 and last about 4 months.

Highlights of the Upcoming IRM Activities: An IRM is a cleanup activity that may be performed when a source of contamination or exposure pathway (the way in which a person may contact contamination) can be effectively addressed without extensive investigation and evaluation. The key components of the IRM are:

- Excavation to a depth of 2 feet below grade (ft bg) across the entire northern parking lot area;
- Excavation to depths between 5 ft bg and 7 ft bg in 2 areas of the parking lot to remove "hot spots" of chlorinated volatile organic compounds (VOCs) exceeding the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs);
- Excavation to a depth of approximately 10 ft bg in the eastern portion of the parking lot to remove a "hot spot" of petroleum-related VOCs exceeding the PGWSCOs.
- Proper characterization and off-site disposal of excavated soil.
- Collection and analysis of confirmation and documentation post remedial samples to document the effectiveness of the remedy.
- Removal of any underground storage tanks or other sources of contamination, if encountered.

A site-specific health and safety plan (HASP) and a Community Air Monitoring Plan (CAMP) will be implemented during remediation activities. The HASP and CAMP establish procedures to protect on-site workers and residents and includes

Where to Find Information

Access project documents through the DECinfo Locator https://www.dec.ny.gov/data/DecDocs/C203154/ and at these location(s):

New York Public Library - Woodstock Branch
761 East 160th Street
Bronx, NY 10456
(718) 665-6255
woodstock@nypl.org

Bronx Community Board No. 4
1650 Selwyn Avenue, #11A
Bronx, NY 10456
(718) 299-0800
Bx04@cb.nyc.gov

Who to Contact

Comments and questions are always welcome and should be directed as follows:

Project-Related Questions
Wendi Zheng, Project Manager
NYSDEC
47-40 21st Street
Long Island City, NY 11101
(718) 482-7541
wendi.zheng@dec.ny.gov

Project-Related Health Questions
Sally Rushford
NYSDOH
Empire State Plaza,
Corning Tower, Room 1787
Albany, NY 12237
(518)402-5465
beei@health.ny.gov

For more information about New York's Brownfield Cleanup Program, visit:
www.dec.ny.gov/chemical/8450.html

BROWNFIELD CLEANUP PROGRAM

required air monitoring as well as dust and odor suppression measures.

Next Steps: When the expedited cleanup activities are completed, a Construction Completion Report will be prepared that documents the activities that were performed.

NYSDEC will keep the public informed throughout the investigation and cleanup of the site.

Site Description: The site is located at 101 East 150th Street (a.k.a. 586 River Avenue) in the Lower Concourse neighborhood of the Bronx, NY and is bound to the north by a commercial parking lot followed by East 151st Street, to the east by Gerard Avenue, to the south by East 150th Street, and to the west by River Avenue. The site is comprised of a 98,973 square foot (2.27-acre) rectangular-shaped parcel identified as Block 2354, Lot 1 on the New York City Tax Map. It is currently occupied by a two-story commercial building with a basement on the southern portion of the property and a parking lot on the northern portion of the property. Prior uses on the site include lumber storage, athletic fields, a shoe factory, an electronic parts manufacturer, commercial self-storage, and a school.

Planned redevelopment of the site includes construction of a new six-story building housing a charter school.

Additional site details, including environmental and health assessment summaries, are available on NYSDEC's Environmental Site Remediation Database (by entering the site ID, C203154) at:
https://www.dec.ny.gov/cfmx/extapps/derexternal/index.cfm?pageid=3

Brownfield Cleanup Program: New York's Brownfield Cleanup Program (BCP) encourages the voluntary cleanup of contaminated properties known as "brownfields" so that they can be reused and redeveloped. These uses include recreation, housing, business, or other uses. A brownfield site is any real property where a contaminant is present at levels exceeding the SCOs or other health-based or environmental standards, criteria or guidance adopted by NYSDEC that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations.

For more information about the BCP, visit:
https://www.dec.ny.gov/chemical/8450.html

We encourage you to share this fact sheet with neighbors and tenants, and/or post this fact sheet in a prominent area of your building for others to see.

Stay Informed With DEC Delivers
Sign up to receive site updates by email:
www.dec.ny.gov/chemical/61092.html

Note: Please disregard if you already have signed up and received this fact sheet electronically.

DECinfo Locator
Interactive map to access DEC documents and public data about the environmental quality of specific sites: https://www.dec.ny.gov/pubs/109457.html

BROWNFIELD CLEANUP PROGRAM

Site Location

NEW YORK STATE | Department of Environmental Conservation

Kathy Hochul, Governor | **Basil Seggos**, Commissioner **www.dec.ny.gov**

Translation Available. Don't see your language? Ask!

English	To have this document translated into a language you can understand, contact the person below. There is no charge for the translation.
Español **Spanish**	Si necesita la traducción de este documento a un idioma que pueda entender, comuníquese con la persona indicada abajo. La traducción es gratis.
简体字 **Simplified Chinese**	如需將此文件翻譯成您能理解的語言版本，請聯絡下方人員。本次翻譯不收取費用。
Русский **Russian**	Чтобы получить перевод этого документа на понятный вам язык, свяжитесь с представителем, данные которого указаны ниже. Плата за эту услугу не взимается.
אידיש **Yiddish**	צו האבן די דאקומענט איבערגעטייטשט אין א שפראך וואס איר קענט פארשטיין, פארבינדט זיך מיט די פערזאן אונטן. די איבערטייטשונג איז פריי פון אפצאל.
বাঙালি **Bengali**	এই নথিটি আপনি বুঝতে পারেন এমন একটি ভাষায় অনুবাদ করতে, নিম্নলিখিত ব্যক্তির সাথে যোগাযোগ করুন। অনুবাদের জন্য কোন চার্জ দিতে হবে না।
한국어 **Korean**	이 언어를 본인이 이해할 수 있는 언어로 받아보려면 아래 담당자에게 문의하십시오. 번역료는 없습니다.
Kreyòl Ayisyen **Haitian Creole**	Pou yo ka tradwi dokiman sa nan yon lang ou ka konprann, kontakte moun ki anba a. Ou p'ap peye anyen pou tradiksyon an.
Italiano **Italian**	Per ottenere la traduzione di questo documento in un'altra lingua, contatti la persona indicata qui di seguito. La traduzione è gratuita.
العربية **Arabic**	لترجمة هذا المستند إلى لغة يمكنك فهمها، تواصل مع الشخص أدناه. لا يتم تطبيق رسوم مقابل الترجمة.
Języky Polski **Polish**	Aby uzyskać tłumaczenie tego dokumentu na język, który jest dla Ciebie zrozumiały, skontaktuj się z poniższą osobą. Za tłumaczenie nie jest pobierana żadna opłata.

Contact: Wendi Zheng | (718) 482-7541 | wendi.zheng@dec.ny.gov

J&A
1676 Washington Avenue
Bohemia, New York 11716
T 631.567.5959
F 631.567.2326
www.jandaconcrete.com

Date July 25, 2023

Attention Tim Murphy

To **The DeMatteis Organization**
820 Elmont Road
Elmont, NY 11003
(516) 285-5500

Project **Success Academy**
101 E. 150th Street
Bronx, NY 10451

TRANSMITTAL SHEET

We are sending you: ☐ Change Order ☐ Invoice ☐ Plans ☐ Prints ☐ Proposal
☐ Shop Drawings ☑ Specifications ☐ Other: **CEC Facility Approval Letter**

Via: ☐ Email ☑ Fedex ☑ Hand ☐ Standard Mail

Copies	Spec/Date	Description
1	26113	Clean Earth of Carteret - Approval Letter 7/25/23

For: ☐ For Approval ☐ For Your Use ☐ For Review and Comment ☐ As Requested

Remarks:	
Please provide filled out owner signature for each of the proposed facility forms attached.	

Paul Cunha
J&A Concrete Corp.

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

July 25, 2023

Sent via e-mail

Paul Moscatello
PT Consultants, Inc
560 Benigno Boulevard
Bellmawr, NJ 08031

Global # 1014273
Approval# 233070971

Re: Success Academy
101 East 150th Street, Bronx, NY 10451
NYSDEC BCP# C203154 |Approval Volume: 10,400 cubic yards

Dear Mr. Moscatello,

Clean Earth of Carteret, LLC ("CEC") has received and reviewed the following documents for the above referenced site:

- Signed Exhibit A Material Profile Sheet dated 16 June 2023
- Waste Characterization Report by GZA Geo Environmental dated November 2022
- Soil Materials/Management Plan by GZA Geo Environmental dated October 2022
- Interim Remedial Measure Work Plan by GZA Geo Environmental dated November 2022
- Waste Characterization Report by PT Consultants dated 25 May 2023
- Waste Characterization and Delineation Report by PT Consultants dated 19 July 2023
- Historic Fill and Soil Disposal Notifcation by GZA dated 20 July 2023
- Laboratory analytical report by York Analytical Lab ID$_{(s)}$: 23E0731 and 23G0381

This letter serves as an approval of ~ 10,400 cubic yards of Non-hazardous contaminated soil/urban fill represented by composite sample ID$_{(s)}$ in the table (page 3) and all related grab to be generated from construction activities at the site.

CEC is aware that the soil located at the site is contaminated soils coming from a NYS Brownfield clean-up site.

The approval number must be provided when scheduling and the grid name/depth must be written on all manifests when shipping soils to CEC. This approval is based upon material being accurately represented by all information provided to CEC at this time, including, but not limited to, waste profiles, analysis, site diagrams, site history, and sampling plans. Wood, ash, cinders, and any other solid waste may not comprise more than 1% of soil destined for CEC. Material with free petroleum product, liquids, sludges, or hazardous waste cannot be accepted.

Please be advised that should the material be found to be non-conforming based on our facility permit requirements, CEC will contact you to discuss options.

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

Processing of the soil will be performed under NJDEP Recycling Center Permit No. CBG210002.

Clean Earth Inc. and its subsidiaries would like to thank you for giving us the opportunity to manage this waste stream. Should you have any questions or concerns, please do not hesitate to contact me at 732-541-8109.

Sincerely,
Clean Earth of Carteret LLC

Emma Dangler

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

Sample ID	Volume approved (CY)	Approval Number
WC-3 (A-E)	800	233070971
WC-4 (A-E)	800	233070971
WC-5 (A-E)	800	233070971
WC-6 (A-E)	800	233070971
WC-7 (A-E)	800	233070971
WC-8 (A-E)	800	233070971
WC-11 (A-E)	800	233070971
WC-12 (A-E)	800	233070971
WC-13 (A-E)	800	233070971
WC-14 (A-E)	800	233070971
WC-15 (A-E)	800	233070971
WC-16 (A-E)	800	233070971
WC-21	800	233070971

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

June 27, 2023

Sent via e-mail

Paul Moscatello
PT Consultants, Inc
560 Benigno Boulevard
Bellmawr, NJ 08031

Global # 1014273
Approval# 233070971

Re: Success Academy
101 East 150th Street, Bronx, NY 10451
NYSDEC BCP# C203142 |Approval Volume: 8,000 cubic yards

Dear Mr. Moscatello,

Clean Earth of Carteret, LLC ("CEC") has received and reviewed the following documents for the above referenced site:

- Signed Exhibit A Material Profile Sheet dated 16 June 2023
- Waste Characterization Report by GZA Geo Environmental dated November 2022
- Soil Materials/Management Plan by GZA Geo Environmental dated October 2022
- Interim Remedial Measure Work Plan by GZA Geo Environmental dated November 2022
- Waste Characterization Report by PT Consultants dated 25 May 2023
- Laboratory analytical report by York Analytical Lab $ID_{(s)}$: 23E0731

This letter serves as an approval of ~ 8,000 cubic yards of Non-hazardous contaminated soil/urban fill represented by composite sample $ID_{(s)}$ in the table (page 3) and all related grab to be generated from construction activities at the site.

CEC is aware that the soil located at the site is contaminated soils coming from a NYS Brownfield clean-up site.

The approval number must be provided when scheduling and the grid name/depth must be written on all manifests when shipping soils to CEC. This approval is based upon material being accurately represented by all information provided to CEC at this time, including, but not limited to, waste profiles, analysis, site diagrams, site history, and sampling plans. Wood, ash, cinders, and any other solid waste may not comprise more than 1% of soil destined for CEC. Material with free petroleum product, liquids, sludges, or hazardous waste cannot be accepted.

Please be advised that should the material be found to be non-conforming based on our facility permit requirements, CEC will contact you to discuss options.

Processing of the soil will be performed under NJDEP Recycling Center Permit No. CBG210002.

CLEANEARTH
RECYCLING & DISPOSAL SOLUTIONS

Clean Earth Inc. and its subsidiaries would like to thank you for giving us the opportunity to manage this waste stream. Should you have any questions or concerns, please do not hesitate to contact me at 732-541-8109.

Sincerely,
Clean Earth of Carteret LLC

Emma Dangler

Sample ID	Volume approved (CY)	Approval Number
WC-3 (A-E)	800	233070971
WC-4 (A-E)	800	233070971
WC-5 (A-E)	800	233070971
WC-6 (A-E)	800	233070971
WC-7 (A-E)	800	233070971
WC-8 (A-E)	800	233070971
WC-13 (A-E)	800	233070971
WC-14 (A-E)	800	233070971
WC-15 (A-E)	800	233070971
WC-16 (A-E)	800	233070971

Issuance of Waste Profile Approval

CleanEarth

2330815588

Customer/Bill To:

Pt Consultants Inc
560 BENIGNO BLVD 2ND FLOOR
BELLMAWR, NJ 08031

Generator:

586 River Ave LLC-101 East 150th St
101 East 150th Street
BRONX, NY 10451

Approval Type:	**Initial Approval**
Date Approved:	**7/27/2023**
Expiration Date:	**7/27/2025**
Primary Facility:	**Clean Earth of North Jersey, Inc.**
Waste Profile Number:	**2330815588**
Process Code:	**NH-S-10**
Waste Stream (Material):	**Non Hazardous Soil.**
Notes:	

Pricing Confirmation (Disposal Only, unless specifically listed otherwise):

Clean Earth of North Jersey, Inc.:
Rolloff/Dump

**Pricing stated herein is based on the information provided in the waste profile, referenced above, and the disposal pricing provided for this Material via a project specific quote or the customer's current contract pricing. Environmental Energy and Insurance Fee (EEI), transportation, taxes and any other applicable fees are not included in the above rate.*

We appreciate your interest in our company and we look forward to assisting you with the disposal of your waste. To place an order, please contact our customer service department

Issuance of Waste Profile Approval

CleanEarth

2330815588

Customer/Bill To:

Pt Consultants Inc
560 BENIGNO BLVD 2ND FLOOR
BELLMAWR, NJ 08031

Generator:

586 River Ave LLC-101 East 150th St
101 East 150th Street
BRONX, NY 10451

Terms and Conditions:

CE may, but is under no obligation to inspect the Material to ensure compliance with the terms hereof. Non-conforming material is defined as material that, in the reasonable judgment of CE, does not meet the description and specifications set forth in the corresponding Profile or is otherwise not suitable for processing and/or treatment as intended per the Profile. If Material is determined by CE to be non-conforming material, CE shall notify Customer which of the following options will be exercised by CE (i) reject the non-conforming material and return it to Customer at Customer's sole expense, (ii) require Customer to remove and dispose of the non- conforming material at Customer's sole expense, or (iii) remove and dispose of the non-conforming material in which case Customer shall pay CE all fees and expenses, including reasonable overhead, for such services with respect to the non-conforming material. Title to all non-conforming material shall remain with Customer.

CE cannot accept bio-hazardous, radioactive, explosive and/or substances controlled by the Drug Enforcement Administration (DEA) and the tender or delivery to CE of such items shall be a breach of these terms and conditions. Such shipments will be deemed non-conforming for which all costs, liabilities and penalties will be at the sole expense of the Customer.

Customer's tendering or delivering of the Materials contemplated hereby constitutes Customer's acceptance of these terms and conditions unless a written agreement is executed by both parties related to the services

P Park NJ
100 Planten Ave.
Prospect Park, NJ 07508

July 13, 2023

Alessandra Coco
PT Consultants Inc.
560 Benigno Boulevard, 2nd Fl.,
Bellmawr, New Jersey 08031

Re: Success Academy
101 East 150th Street,
Bronx, New York 10451
NYS BCP Site ID # C203142

Dear Alessandra Coco,

P Park NJ, LLC (P Park) has prepared this Approval Letter for PT Consultants Inc. with regards to material from the above-referenced site. P Park has reviewed the laboratory data you provided and compared it with our current protocols for acceptance. The analytical results were reviewed for the purposes of determining if the material on the subject site is acceptable for placement at P Park located in Prospect Park, NJ.

The analytical results provided support that material from specific portions of the site meet P Park's Clean Fill Protocol. All the analytical results provided, were reviewed and compared to the NJDEP New Jersey Residential Ingestion-Dermal and Residential Inhalation Soil Remediation Standards (NJ-RID-RI-SRS) and several areas were found to be below the standards. This approval is based solely upon the information provided on this application and the following documents submitted with this application:

Sampling Report:
- PT Consultants, Inc., Waste Characterization Report for Success Academy Campus 101 East 150th Street, Bronx, New York (05/25/2023)
- GZA Remedial Investigation Report for 101 East 150th Street, Bronx, NY (06/2023)

Laboratory Report:
- York Analytical Laboratories Report 23E0731

Sample IDs:
- WC3 (A-E), WC4 (A-E), WC5 (A-E), WC6 (A-E), WC7 (A-E), WC8 (A-E), WC11 (A-E), WC12 (A-E), WC13 (A-E), WC14 (A-E), WC3-grab, WC4-grab, WC5-grab, WC6-grab, WC7-grab, WC8-grab, WC11-grab, WC12-grab, WC13-grab, WC14-grab, WC15 (A-E), WC16 (A-E),

WC15-grab, WC16-grab, TPH 29, TPH 30, TPH 31, TPH 32, TPH 5, TPH 6, TPH 7, TPH 8, TPH 9, TPH 10, TPH 11, TPH 12, TPH 13, TPH 14, TPH 15, TPH 16, TPH 21, TPH 22, TPH 23, TPH 24, TPH 25, TPH 26, TPH 27, TPH 28

Site Plan:

- PT Consultants, Inc. Figure 2 – Sample Location Map for Success Academy Campus

Additional Information:

- GZA Waste Characterization Report for 101 East 150th Street, Bronx, NY (11/2022)
- GZA Interim Remedial Measure Work Plan for 101 East 150th Street, Bronx, NY (11/2022)
- MRCE Final Geotechnical Report for Success Academy Charter Schools (04/04/2023)

The applicant warrants that the material proposed for shipment to P Park is in fact, the same material which was tested and is represented by the sample results provided with this application. Furthermore, it is our understanding that material encountered within the scope of the Success Academy project which does not meet P Park NJ, LLC's protocol will be sent to a separate disposal facility permitted to take the material. PT Consultants Inc. further warrants that a proper QA/QC plan will be in place during the excavation and loading of the material to ensure that only approved recyclables are sent to the P Park facility.

Import Decision:

PT Consultants Inc., is proposing to export 8,400 tons of soil from 101 East 150th Street, Bronx, New York (herein referred to as the "Site") to P Park NJ. P Park NJ is a reclamation site authorized to operate as a solid waste facility (PI# 745742), located at 100 Planten Avenue, Prospect Park New Jersey. P Park NJ can only accept soils meeting the Lower of the New Jersey Residential Ingestion-Dermal and Residential Inhalation Soil Remediation Standards (NJ-RID-RI-SRS). The soil proposed for export will be originating from excavations for a new building construction. The Site is currently enrolled in the NYS Brownfield Cleanup Program (Site ID # C203142) and is being managed under the NYS Department of Environmental Conservation.

Based on previous subsurface investigations completed by GZA in November 2022 (Remedial Investigation and Waste Characterization), the Site was found with exceedances in Volatile Organic Compounds (VOCs) and Semi-volatile Organic Compounds (SVOCs). The VOCs that were detected were chlorinated solvents and the SVOCs that were detected were Polycyclic Aromatic Hydrocarbons (PAHS). The VOCs and SVOCs were detected throughout the Site, but clustered in the center, from grade to depths 7 ft below grade surface (bgs).

A more recent waste characterization was completed by PT Consultants in May 2023, which included advancing twenty soil borings to 6 ft bgs. The Site was divided into ten horizontal grids and two vertical 3 ft intervals, resulting in twenty waste characterization cells. Cells were designated as WC1 (A-E), WC2 (A-E), WC3 (A-E), WC4 (A-E), WC5 (A-E), WC6 (A-E), WC7 (A-E), WC8 (A-E), WC11 (A-E), WC12 (A-E), WC13 (A-E), WC14 (A-E), WC15 (A-E), WC16 (A-E), WC17 (A-E), WC18 (A-E), WC19 (A-E), and WC20 (A-E) and sent to York Analytical Laboratories for analysis of Volatile Organic Compounds (VOCs), Semi-volatile Organic Compounds (SVOCs), Pesticides, NJ Extractable Petroleum Hydrocarbons (EPH), Polychlorinated Biphenyls (PCBs), Metals, and TCLP Metals.

Analytical Results:

Based on the analytical results reported in the York Analytical Laboratories report 23E0731, waste characterization cells WC3 (A-E), WC4 (A-E), WC8 (A-E), WC14 (A-E), and WC15 (A-E) did not NJ-RID-RI-SRS for exceedances in SVOCs. Based on the waste characterization

results, PT Consultants Inc., is only proposing to cells WC5 (A-E), WC6 (A-E), WC7 (A-E) WC11 (A-E), WC12 (A-E), WC13 (A-E), and WC16 (A-E) to be considered for P Park NJ. However, the previous investigation results indicate some of the proposed cells to be contaminated.

Approved Areas 7/13/2023 for import into P Park are classified under Project #23-104:
Based on the data and information reviewed, the only cells acceptable at P Park include cells WC-7 (A-E), WC-16 (A-E), and WC-12 (A-E). However, the entire cells are not eligible for P Park NJ. Approximately 75% (SW, NW, and NE quadrant) of cell WC7 (A-E), which is in the 0-3 ft interval bgs, identified as **WC7 (SW, NW, NE)**, and and approximately 75% (SE, NW, and NE quadrant) of cell WC16 (A-E) and approximately 50% (NE and SE quadrant) of cell WC12 (A-E), which are both in the 3-6 ft interval bgs, identified as **WC16 (SE, NW, NE) and WC12 (NE, SE)**, respectively, are approved for P Park NJ. Up to **2,400 tons** of soil from the above referenced areas/samples is approved for P Park NJ. No other material is to come to P Park NJ. Any soil exhibiting visual and/or olfactory evidence of impact/contamination cannot be accepted at P Park NJ.

The above-referenced sample and/or grid locations MUST be noted on all manifests.

Additional Requirements:

- P Park NJ LLC reserves the right to perform QA/QC sampling during the import of this material.
- Any soils exhibiting visual and/or olfactory evidence of contamination will be rejected at the gate.

P Park NJ LLC's compliance engineers, Posillico Materials (PM) Consultants reviewed all analytical data and site background information and determined the material profiled meets our current acceptance criteria for approval and placement into the facility. Based upon our review, the results and application have been accepted and given the PM approval #PParkNJ2023-07-02A and P Park has issued the project #23-104.

All deliveries **must** be scheduled in advance with Lori Ripp via email at lripp@pparknj.com .

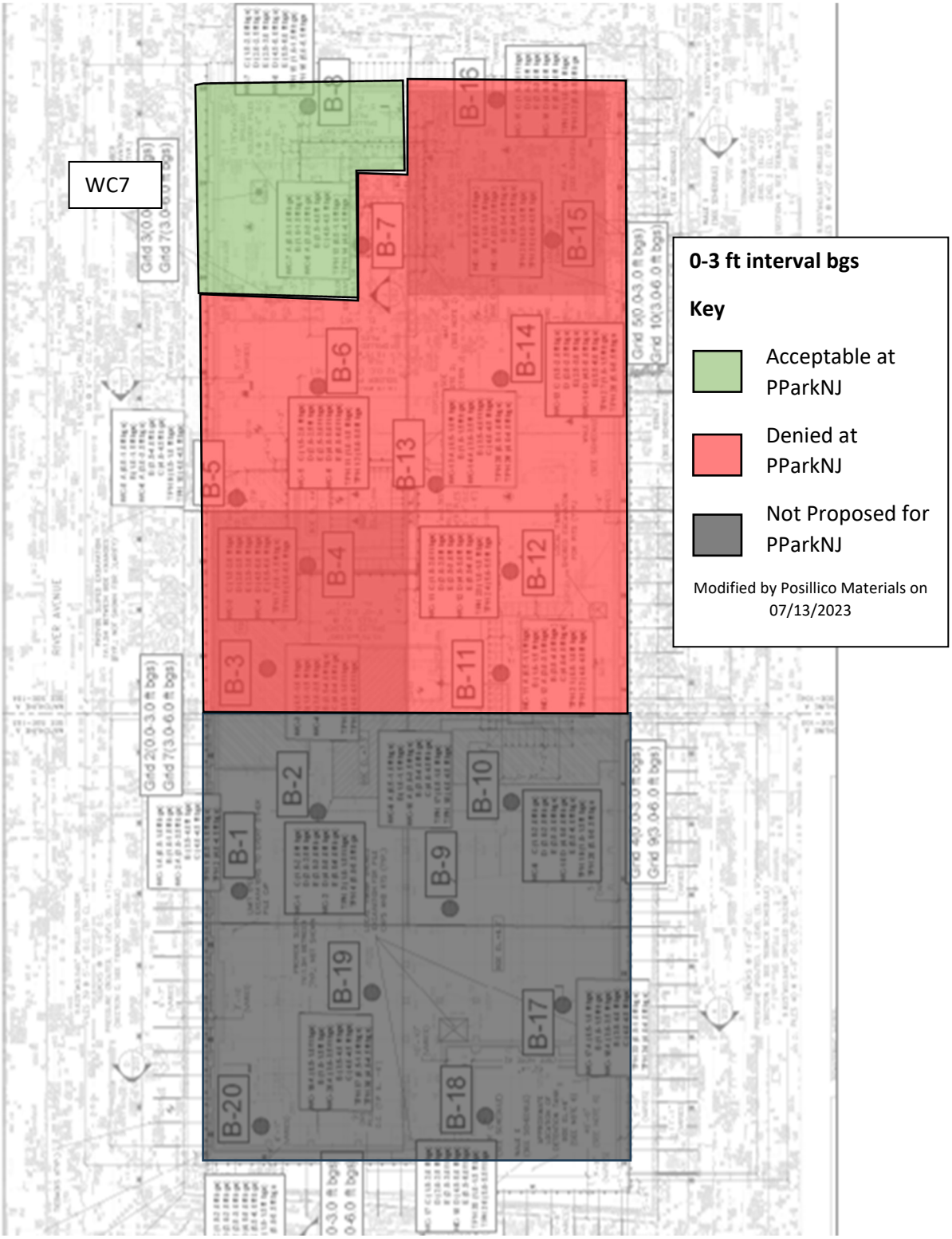
Please contact me if you have any questions.

Sincerely,

Joseph E. Posillico

Joseph E. Posillico
Facility Manager
P Park NJ, LLC

Posillico Materials Soil Acceptance Map
Approval No.: PParkNJ2023-07-02A



3-6 ft interval bgs
Key
Acceptable at PParkNJ
Denied at PParkNJ
Not Proposed for PParkNJ
Modified by Posillico Materials on 07/13/2023
WC16
WC12
B-1
B-2
B-3
B-4
B-5
B-6
B-7
B-8
B-9
B-10
B-11
B-12
B-13
B-14
B-15
B-16
B-17
B-18
B-19
B-20

GZA GeoEnvironmental of New York